

Section 9813 – Ventura County

ACP 4



Ventura County Coastline with Ecologically Sensitive Sites Indicated

Section 9813 - Ventura County

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9813.1 Environmentally Sensitive Sites

The purpose of this section is to provide background, definitions, and philosophy behind the Site Summary and Strategy Sheets in ACP Section 9800. Both Federal and State laws require that sites having special ecological sensitivity be identified and provisions be made to protect or otherwise mitigate for the site impacts from spills. In California these locations are termed "Sensitive Sites". A narrative and diagram of each site with specific ecological and operational information has been developed.

The development of specific protection strategies to meet the site specific needs was conducted using a standardized protocol to ensure consistency for California's entire coast. The process of site visits, training exercises, and discussions allows trustees and response experts to exchange concerns and feasibility limitations in forming protection strategies. Using this approach, the local area committee incorporates input of State and Federal trustees, and stakeholders (industry, spill response co-ops and contractors, non-governmental environmental groups, and other agencies) to form consensus on the appropriate site protection strategies and response resources. The committee will revise strategies based on new knowledge and to adapt to changing conditions.

The environmental sensitivity differs by location or season depending on conditions or the presence of species. A ranking index was developed in order to identify the relative protection priority of sites. These ranks define the environmental sensitivity of the area and its resources at risk. Accordingly each site is ranked A, B, or C based on the following definitions:

Category A - Extremely Sensitive - first priority for protection:

Wetlands, estuaries and lagoons with emergent vegetation (marsh-riparian ESI 10) Sheltered tidal flat (ESI 9); and Habitats for rare, threatened or endangered species (State or Federal); Sites of significant concentrations of vulnerable and sensitive species (e.g. pinniped pupping)

Category B - Very Sensitive - second priority for protection

Major pinniped haulout areas during non-pupping seasons; Moderate concentrations of vulnerable and sensitive species; other low energy habitats (ESI types 8A, 8B, 7 and 6B)

Category C - Sensitive - third priority for protection

Higher energy habitats (ESI 6A through 1) for example: *Habitats important to large numbers of species of sport, commercial value, and scientific interest or species experiencing significant population declines though not yet threatened.*

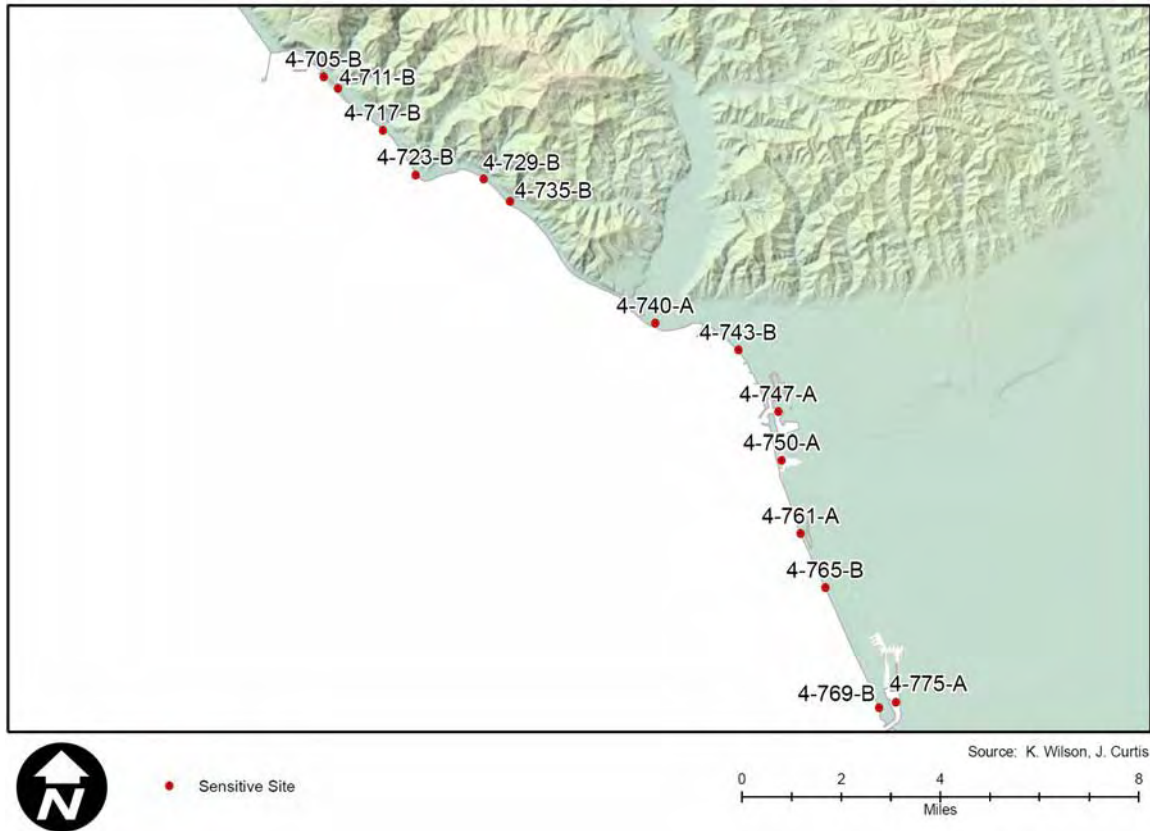
This section provides detailed information on Environmentally Sensitive Sites in Ventura County. Each site is described on three sections: Site Summary, Site Strategy, and Diagram. The Site Summary page provides a brief description of the site including location, access, specific concerns, agency contacts, etc. The Site Strategy page provides specific information on response strategies to be implemented to protect the site from marine oil spills as well as recommended resources, site logistics, and access

information. These Site Strategies are intended as guidelines to assist responders during the initial hours of a spill response. The Diagram page shows the protection strategies, topography and roads.

The intent of the site strategies is to provide initial recommendations to protect the site until actual conditions and needs at sensitive sites can be determined to provide appropriately modified strategies. In other words, strategies presented here are flexible and may require modification in real response situations. The strategies provided here are the best available response options for foreseeable typical wind and current conditions at the respective sites. Those conditions may not prevail at the time of the spill. Responders and planners may need to adjust strategies to meet the needs presented by prevailing conditions; following the initial emergency response many sites may have alternative strategies to accommodate differences in conditions.

Most sites have more than one protection strategy. These additional strategies may be used as back-ups to the primary protection strategy or as alternatives to accommodate prevailing conditions. It should be understood that the described strategies are intended as initial protection strategies for the first 24 hours of a spill. Additional or modified protection measures should also be considered.

Ventura County North – Sensitive Sites



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4-769-A	Oxnard Beach	61
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4-000 -A Site Summary- Typical SLO/Santa Barbara/Vent Sandy Beach 4-000 -A

County USGS Quad Thomas Guide Location NOAA Chart Latitude N Longitude W
SLO/SB/Vent Co.

Last Page Update: 10/1/2005

SITE DESCRIPTION:

Snowy plover and least tern nesting sites are seasonally occupied at various coastal beach sites. The birds may have active nests, or chicks may be actively moving about the described area. Care should be given to minimize disturbance and avoid injury to either nests, or chicks.

SEASONAL and SPECIAL RESOURCE CONCERNS

Rank A - All year. Nesting: Snowy plovers and least terns generally nest on coastal sandy beaches between early May and mid-September. Between October and April nesting is not a concern. Over-wintering: During the non-nesting months of October to April, adult snowy plovers may continue to utilize beach habitats. Adult least terns migrate south.

RESOURCES OF PRIMARY CONCERN

Sandy shoreline.

Snowy plovers (Federal threatened species) are small, white and tan colored shorebirds. Least terns (Federal and State endangered species) are small, gull-like, gray, white and black colored diving birds. Snowy plovers tend to nest in the rack line of the high-high tide, while least terns generally tend to nest in dune areas slightly farther from the shoreline. Nests are usually constructed on loose sand, and are easily stepped on due to their very cryptic nature. Chicks are known to run between nests and the waterline. Snowy plovers adults forage while wading along the shoreline. Least tern adults dive into the water to forage in shallow, nearshore areas of the open coast, embayments, estuaries, and dune lakes.

Intertidal fish, including Grunion, and invertebrates.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Archaeological issues may be associated with the identified location. South Central Coastal Information Center, or State Historical Information Preservation Office should be notified within 48 hours if no other overriding issues are identified to warrant earlier notifications.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name and Title	Organization	Phone (1st)	Phone (2nd)
	Mike Glassow	Central Coast Archeological Information Center	(805) 893-2474	
	Kevin Lafferty Assoc. Dir - COP Reserve	UCSB Natural Reserve Sys. (Sno. Plover/Tidewater Goby)	(805) 893-8778	(805) 893-4127

ADDITIONAL SITE SUMMARY COMMENTS:

Excellent aerial photo of site can be found on the California Coastal Records Project website (<http://www.californiacoastline.org/>). Image number of site: Unavailable

Where information on specific nesting areas is available, it is presented in the specific site summary description.

4-000 -A Site Strategy - Typical SLO/Santa Barbara/Vent Sandy Beach 4-000 -A

County USGS Quad Thomas Guide Location NOAA Chart Latitude N Longitude W
SLO/SB/Vent Co.

Last Page Update: 10/1/2005

CONCERNS and ADVICE to RESPONDERS:

Beach bird-nesting sites are shallow depressions scratched out from the sand surface on sandy beaches above the highest tide line. The nest sites are typically very well disguised and difficult to see, even for trained eyes. Nest sites may contain either eggs, or chicks which are potentially vulnerable to trampling by vehicles or foot traffic. Snowy plover adults and chicks, and least tern chicks are known to move between the nest sites and the active water line. Over-wintering snowy plover adults may be foraging throughout the response area. To aid in avoiding damage to nests, consider delineation of nesting areas.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions. Strong surf.

SITE STRATEGIES

Strategy 4-000. Objective:

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers	Staff	
			Amount and Type		Num	Type and Gear			Num and Type	Deploy	Tending

4-000.

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Most Access from Pacific Coast Highway (PCH or Highway 1).

LAND ACCESS:

Refer to coastal access mapping information to describe the best access point for response and natural resource protection. Access by crews and equipment should occur only through areas specifically designated by authorized monitoring personnel. Access points shall be minimized by size and number to reduce impacts. Site specific information will be developed during a response effort.

WATER LOGISTICS:

Limitations: depth, obstructions:

Launching, Loading, Docking
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

A staging area will be determined as most suitable for response and natural resource protection for the affected location. All responders will be briefed on procedures for avoiding birds and nest sites to aid in minimizing damage to nest sites and associated wildlife.

COMMUNICATIONS PROBLEMS:

None.

ADDITIONAL OPERATIONAL COMMENTS:

Beaches must be precleaned. Watch for fenced Least Tern sites.

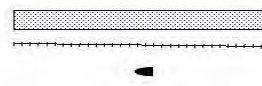
There is NO Strategy Diagram for This Site



Harbor Boom
Swamp Boom
sss / sfs



Sorbent Boom
Other Boom
tsa / sps



Dike or Berm
Excelsior Fence
tba/voo

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4-701 -B Site Summary - Rincon Creek and Point

4-701 -B

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 1018 J x 3

34.373

119.478

SITE DESCRIPTION:

Last Page Update : 5/15/2008

Rincon Point, including Rincon creek SE to the U.S. 101 highway. Rincon Creek at Rincon Point: this creek has a small marsh area approx. 75 yards inland from the ocean. The point is an alluvial fan composed of cobbles underlain by sand. It is fairly stable and resistant to erosion. Because the cobbles are underlain by sand, oil penetration into this substrate would extend downward through the cobbles only to the sand underlayment. There are approx. 50 private homes (with private roads) along the point.

SEASONAL and SPECIAL RESOURCE CONCERNS

Whenever the creek is open (most likely from winter through early summer, (depending on rain fall) wetland biota is at risk. Spring through Summer for Western snowy plovers nesting on sandy beach.

RESOURCES OF PRIMARY CONCERN

Wetland biota: waterfowl and marsh vegetation.

Waterfowl, Seabirds, and Shorebirds.

Harbor seals, Dolphins are sometimes common in nearshore waters.

California mussels, Common pacific littleneck clams (Apr-Sep).

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Archaeology, History, & Museum Div.	California State Parks (Sacto Office)	(916) 653-8480
	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	North County Parks	SB County Parks	(805) 681-5651
T	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura Sector Office	California State Parks	(805) 648-4127

ADDITIONAL SITE SUMMARY COMMENTS:

REFERENCES:

1. RPI-ESI MAPS SOUTHERN CAL ATLAS
2. COASTAL INLET PROTECTION FOR OIL SPILL RESPONSE (DFG, MSRC)

4-701 -B Site Strategy - Rincon Creek and Point**4-701 -B****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Pitas Point**Thomas Guide Location:** 1018 J x 3

34.373

119.478

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threat from marine source. The primary objectives are to minimize oiling of stream and lagoon, pre-clean debris, and clean oil from shorelines. The lagoon is habitat for sensitive species. Both habitat and species can be injured by oil and response/cleanup activities unless responders minimize disturbance in stream, lagoon, and associated vegetation; avoid trampling oil into sediments; and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in the Santa Barbara County area. Check with the Santa Barbara Ocean Quality Hotline, 805-681-4949, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Safety Considerations- Roads, trails, beach cliffs and hillsides may be unstable in wet weather. Beware of pedestrians, ticks, poison oak, and rattlesnakes. Care must be taken when working on beaches backed by high cliffs. Safe entries to, and exits from beaches in this area are related to tides and beach sand levels. Sand surface may be soft. YOU MAY GET STRANDED ON THE BEACH - Plan accordingly.

SITE STRATEGIES

Strategy 4-701.1 Objective: Berming - Prevent oil from contaminating the inlet when it is subject to tidal influence, low flows are present, and/or wave washover could occur if berm materials are present.

Berming - First, consult with resource trustees regarding wildlife issues before undertaking this activity. Build an earthen berm across the mouth of the inlet using onsite materials obtained from unvegetated areas below the high tide line to minimize damage to wildlife and habitat. Install under flow pipes in the berm to allow through flows and/or a spillway with a filter barrier to accommodate flow increases as weather conditions dictate. Cover the berm with sheet plastic to minimize erosion. Second, back the berm with swamp and sorbent booms to prevent contamination from entrainment, leakage and or washover. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor berm and associated features to maintain their integrity and effectiveness.

Strategy 4-701.2 Objective: Booming - Deploy exclusion booms across the inlet entrance to protect sensitive species and habitats when suitable berm building materials are unavailable, water flows are too great, or water depths are too great for berming.

Booming - Deploy exclusion booms across the inlet to minimize the likelihood of oiling the estuary. Place the booms in a configuration which forms an oil collection pocket which can be adjusted to accommodate changes in flow direction. Back exclusion booms with sorbent booms to minimize leakage. Line the shorelines and any side channels within the inlet to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor, adjust, and replace booms at least 2 x per day to maintain their integrity and effectiveness.

Strategy 4-701.3 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers Num and Type	Staff	
					Num	Type and Gear				Deploy	Tending
4-701.1		200		200	3					4	2
Special Equipment: 1 Front End Loader, 1 Roll Plastic, 3 Culvert Pipes, 10 Sand Bags, 15 Stakes (metal), 1 Stake Driver, 10ft Construction Fencing, 1 Hand Tools											
4-701.2		200		200	8					5	2
Special Equipment: 160 Stakes (metal), 2 Stake Driver, 1- Vehicle (4wd)											
4-701.3										5	
Special Equipment: 1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools											

LOGISTICS**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From U.S. 101, take the Bates Rd exit (towards the ocean) to either of two large parking lots; the north lot is under the jurisdiction of the county of Santa Barbara at Rincon Beach, and the south lot is a part of Carpinteria State park. Both have pedestrian access to the beach. The best heavy equipment access is from the north parking lot. Rincon Point, including Rincon creek SE to the U.S. 101 highway.

4-701 -B Site Strategy - Rincon Creek and Point**4-701 -B****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Pitas Point**Thomas Guide Location:** 1018 J x 3

34.373

119.478

LAND ACCESS:

Shoreline Access – Beach access point from Rincon Park may require regrading before vehicles can enter or exit beach. Beach access road from may require regarding; contact the SB County Parks for information. Barriers to longshore movement are variable according to tide, ocean conditions, and sand levels. Suitable for foot traffic, 4WD, and heavy equipment.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking
and Services Available:

In the northern portion of the area, Santa Barbara Harbor is the nearest full service civilian harbor. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco. From Seacliff south, contact Ventura Harbor for full service berthing, launching and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Staging areas: at either parking lot.

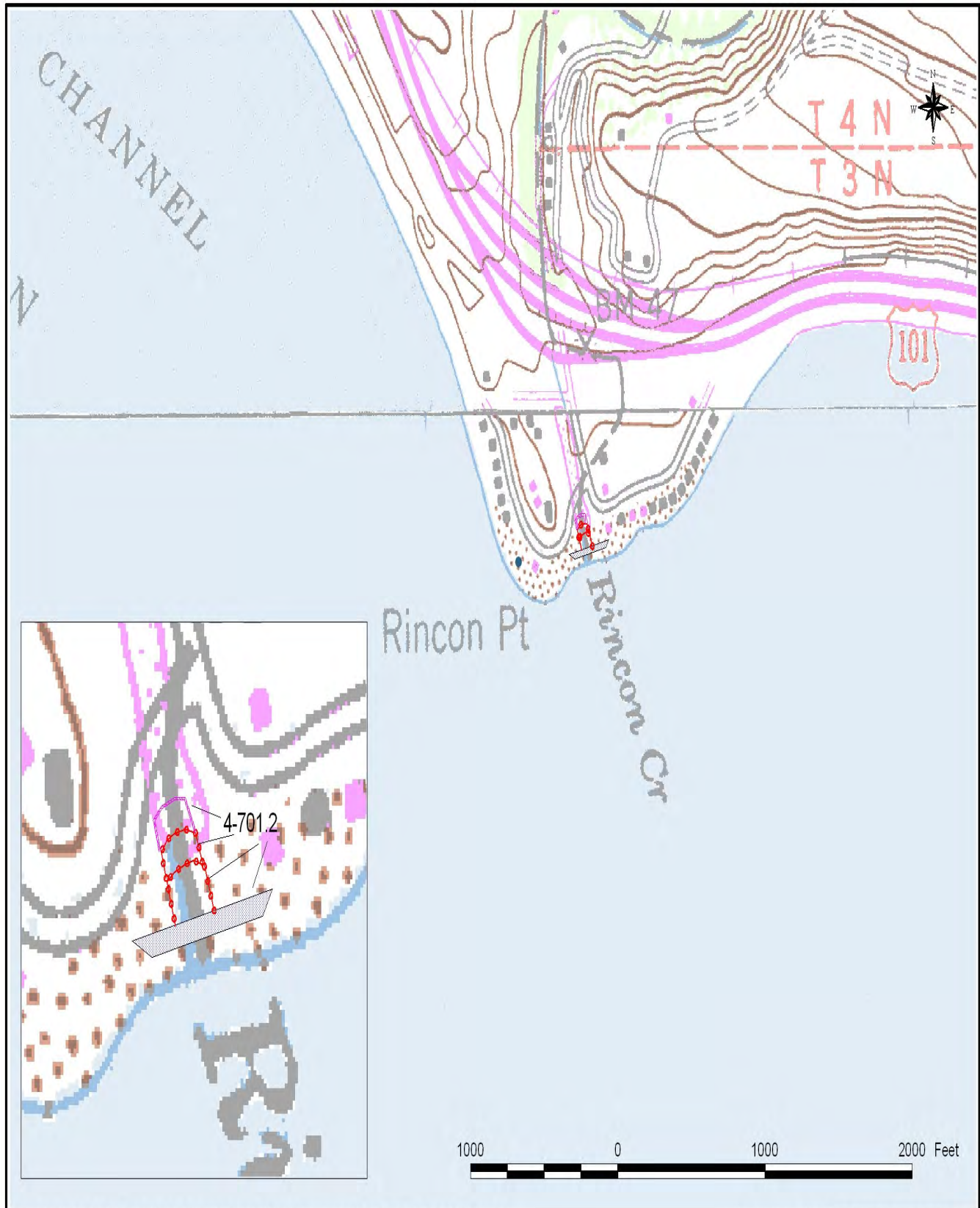
Equipment: at Clean Seas yard in Carpinteria (5 miles NW)

Potential Field Command Post: either parking lot.

Closest Airports: Oxnard and Camarillo

COMMUNICATIONS PROBLEMS:**ADDITIONAL OPERATIONAL COMMENTS:**

SPECIAL CONSIDERATIONS: Beach pre-cleaning should be done only with the advice of USFWS or DFG due to possibility of nesting snowy plovers in the area. The main concern is with the creek and marsh itself.



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site Number: 4-701 Site Name: RINCON POINT

Ken Wilson (OSPR) & MSTC Seibel USCGR
 Date: 14/SEPT/04

<ul style="list-style-type: none"> Harbor / Curtain Boom Swamp / River Boom all other boom types 	<ul style="list-style-type: none"> Sorbent boom Berm, Dam, or Dike Filter fence Boom tow 	<ul style="list-style-type: none"> SSS - Shoreside Skimming System SFS - Stationary Floating Skimmer SPS - Self Propelled Skimmer TSA - Towed Skimming Array
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4-705 -C Site Summary - Los Sauces Creek**4-705 -C****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Pitas Point**Thomas Guide Location:** 459 F x 6-7

34.375

119.473

Last Page Update : 10/1/2005

SITE DESCRIPTION:

The coastal mountains occurring along this stretch of coastline are primarily sandy in nature and are subject to severe erosion and landslides during periods of intense rainfall. The primary threat to this inland site and the marine environment surrounding the point of discharge into the Pacific Ocean is from inland spills. There is ~ 0.2 mile of stream subject to petroleum spills. A permanent concreted instream oil spill containment basin, operated by facility personnel, is located just upstream of the railroad tracks. Immediately downstream of the basin is a short reach of riparian habitat between the RR tracks and US 101. Los Sauces Creek empties into the ocean through four rectangular concrete culverts onto a wavewashed boulder rip-rapped shoreline which could be oiled by either inland or marine spills.

SEASONAL and SPECIAL RESOURCE CONCERNS

Brown Pelicans (FE) feed in nearshore waters.

RESOURCES OF PRIMARY CONCERN

An approximately 200 long section of stream between the RR tracks and US 101 supports ~1/3 acre of willow riparian habitat which provides sheltering, foraging, nesting and nursery areas, and sources of drinking water for wildlife and aquatic species. The rip-rapped coastline adjacent to this site does not have inlets, marshes, or coastal wetlands which would be threatened by marine or inland spills.

Towhees, scrubjays, common yellowthroats, black phoebes, house finches, raptors, crows, turkey vultures frequent this area.

Coyote, rabbits, opossum, deer, skunks, raccoons, snakes and lizards, frogs, etc.

No freshwater fishes are found here.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Pam Gallo Operations supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 654-3934
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Robert Jimenez Plant Operators	DCOR - Rincon Facility	(805) 643-7211
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	Rip Reed Maintenance supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 525-8610
T	Scott Robertson Emergency Response Coord.	DCOR	(805) 207-7075
	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura Office	DCOR	(805) 535-2000
	Ventura Sector Office	California State Parks	(805) 648-4127
	Ventura Sheriff Dispatch (24hr)	Ventura County	(805) 662-6755
	Richard Zavala (24hr)	Greka (Rincon Island Ltd)	(805) 643-2551

ADDITIONAL SITE SUMMARY COMMENTS:

4-705 -C Site Strategy - Los Sauces Creek

4-705 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 459 F x 6-7

34.375

119.473

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 10/1/2005

Primary spill threat from inland source. The primary objectives are to minimize oiling of stream, pre-clean debris, clean oil from bed and banks, and block oil from reaching ocean. The stream provides habitat for sensitive animals and habitat which can be injured by oil and response/cleanup activities. It is important for responders to minimize downstream oiling, disturbance in stream and associated vegetation; avoid trampling oil into sediments; minimize collateral oiling, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Safety Considerations- Narrow roads and hillsides may be unstable in wet weather. When on or near US 101 and Hwy 1 traffic and parking can be hazardous. On facility roads, beware of vehicles, heavy equipment and foot traffic. When working in streams and brush, beware of ticks, poison oak, and rattlesnakes. Care must be taken when working on in these coastal canyons the hillsides are subject to landslides and flash flooding during wet weather.

SITE STRATEGIES

Strategy 4-705.1 Objective: Inland Spill - Off water containment - Minimize amount of oil that enters the water.

Offwater Control and Containment - Control, confine, and recover as much of the oil as close to the source of discharge as possible using offstream containment and collection methods, including but not limited to: blocking down-drains and culverts with sand bag dams, sorbents, hay bales, and temporary berms. Use vacuum trucks, and/or sorbents, as appropriate, to recover and remove oil. Dispose contaminants according to waste management plan.

Strategy 4-705.2 Objective: Inland Response - Activate permanent spill containment basins to minimize oil contamination in downstream areas.

The oil production facility in this watershed has permanent instream oil spill containment basins. Should an oil spill occur upstream of basins, activate spill containment and collection procedures. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and/ or other mechanical means for collecting oil. Monitor basin and associated features to maintain their integrity and effectiveness. Additional temporary spill basins may be built if there would be a net environmental benefit to their use. Consult with resource biologist prior to constructing temporary basins.

Strategy 4-705.3 Objective: Inland Spill - Berming - Minimize oil contamination in downstream areas when flows, habitat, biota, materials, access, and topography are suitable.

Berming - Build a berm(s) across the stream channel using silt free materials or sandbags under the direction of an authorized biologist to minimize damage to wildlife and habitat. Install underflow pipes and a spillway with a filter barrier the berm to allow through flows if water is actively flowing. Cover the berm with sheet plastic to minimize erosion. Place swamp and/or sorbent booms upstream of the containment berm and along the streambanks to prevent downstream contamination from entrainment and/or washover to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor booms and associated features 2 X daily to maintain their integrity and effectiveness.

Strategy 4-705.4 Objective: Shoreline Precleaning - Prevent oiling of vegetation, woody and debris, trash, and other materials to reduce collateral contamination and disposal problems.

Inland waters precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. When oiling of the channel is imminent, remove and store wood, aquatic vegetation, debris, trash, and other materials which could become oiled and create environmental hazards and disposal problems. The use of heavy equipment in the channel is prohibited and pre-cleaning will be conducted by hand crews to minimize disturbance to wildlife and their habitats unless authorized by the IC. Segregate and dispose trash.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
					Num	Type and Gear			Num and Type		Deploy	Tending
4-705.1												
4-705.2												
4-705.3												
4-705.4												

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

This site is accessed from PCH off US 101. PCH provides access to approximately 8 miles of coastline from just north of Seacliff to Emma Wood State Beach. There is also a paved pipeline access/farm road which parallels PCH, running from

4-705 -C Site Strategy - Los Sauces Creek

4-705 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 459 F x 6-7

34.375

119.473

Vintage Petroleum's western facility at Madranio Cyn, south to Rincon Gardens near Faria (Pitas Pt. and Padre Juan Canyon).

LAND ACCESS:

This inland oil processing facility is located on the coastal facing slopes of the Rincon coast in north Ventura Co, on property owned and operated by DCOR-Rincon Onshore Facility. The property is gated and there is an intercom for access. The main roadway is asphalted and is passable by all vehicles and heavy equipment. There is a roadside pullout at the instream spill containment basins in Los Sauces Creek. There is a helipad at the upper facility.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area, Santa Barbara Harbor is the nearest full service civilian harbor. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco. From Seacliff south, contact Ventura Harbor for full service berthing, launching and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

LOGISTICS:

Staging Areas: Marine Spills: Numerous areas exist along Pacific Coast Highway, along the roadway, and in the State and County parks. Inland Spills: Staging areas and stream access points occur near containment basins, along roadways at bridges, and near facilities.

Response Equipment: Onsite: DCOR has some equipment onsite. Offsite: The Clean Seas Yard at Carpinteria, approximately 5 miles to the northwest of Rincon Point.

Potential Field Command Posts: DCOR and Vintage offices; County Parks, Ventura County Fire Station at Sea Cliff.

Closest Airports: Oxnard and Camarillo.

COMMUNICATIONS PROBLEMS:

Cell phone communications are adequate from the freeway but drop off in canyon areas. A satellite phone will be required in coastal canyons. Radio communications can also be spotty.

ADDITIONAL OPERATIONAL COMMENTS:



4-711 -C Site Summary - Madranio Canyon

4-711 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 459 F x 7

34.345

119.417

SITE DESCRIPTION:

Last Page Update : 10/1/2005

The coastal mountains occurring along this stretch of coastline are primarily sandy in nature and are subject to severe erosion and landslides during periods of intense rainfall. The primary threat to this inland site and the marine environment surrounding the point of discharge into the Pacific Ocean is from inland spills.

The Madranio Canyon has a watershed area of 2.3 sq.mi. with a 50Q flow of 1500 cu.ft./sec at the ocean. The site is included within Vintage's 'B Lease' and includes ~ 1.5 miles of stream between the upstream boundary of the lease and the ocean. The stream empties into the ocean through two rectangular concrete culverts onto a wavewashed boulder rip-rapped shoreline which could be oiled by either inland or marine spills.

SEASONAL and SPECIAL RESOURCE CONCERNS

The primary habitats at risk are those that support inland species. Secondarily threatened are nearshore marine species. Brown Pelicans (FE) and marine mammals feed in nearshore waters year around.

RESOURCES OF PRIMARY CONCERN

The upper streambanks of Madranio Canyon Creek are predominantly coastal sage scrub vegetation which includes but is not limited to: sugarbush, laurel sumac, California sagebrush, giant wild rye, and tree tobacco. Arroyo willows form an overstory canopy which shades much of the lower streambank and streambed. Little aquatic vegetation occurs in the stream because flows are intermittent, and sediment type. Overstory vegetation shades the streambed throughout much of the area. This natural reach of stream provides sheltering, foraging, nesting and nursery areas; migratory pathways; and sources of drinking water for wildlife and aquatic species. The rip-rapped coastline adjacent to this site does not have inlets, marshes, or coastal wetlands which would be threatened by marine or inland spills.

California and spotted towhees, scrubjays, common yellowthroats, house and canyon wrens, black phoebes, house finches, warblers, raptors, crows, turkey vultures frequent this area.

Deer, coyote, rabbits, opossum, deer, skunks, raccoons, snakes and lizards, frogs, etc occur here year around

No freshwater fishes are found here.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
	Bill Barrett Lease Foreman	Vintage Petroleum (Rincon and Diablo Canyon Faci	(805) 641-5566
	Pam Gallo Operations supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 654-3934
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Jim Lovins Environmental Manager	Vintage Petroleum	(805) 701-8402
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Rip Reed Maintenance supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 525-8610
	Ventura County Fire Department Dispatch (24hr)	Ventura County	(805) 388-4279
	Ventura Sheriff Dispatch (24hr)	Ventura County	(805) 662-6755

ADDITIONAL SITE SUMMARY COMMENTS:

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 459 F x 7

34.345

119.417

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 10/1/2005

Primary spill threat from inland source. The primary objectives are to minimize oiling of stream, pre-clean debris, clean oil from bed and banks, and block oil from reaching ocean. The stream provides habitat for sensitive animals and habitat which can be injured by oil and response/cleanup activities. It is important for responders to minimize downstream oiling, disturbance in stream and associated vegetation; avoid trampling oil into sediments; minimize collateral oiling, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Safety Considerations- Narrow roads and hillsides may be unstable in wet weather. When on or near US 101 and Hwy 1 traffic and parking can be hazardous. On facility roads, beware of vehicles, heavy equipment and foot traffic. When working in streams and brush, beware of ticks, poison oak, and rattlesnakes. Care must be taken when working on in these coastal canyons the hillsides are subject to landslides and flash flooding during wet weather.

SITE STRATEGIES

Strategy 4-711.1 Objective: Inland Spill - Off water containment - Minimize amount of oil that enters the water.

Offwater Control and Containment - Control, confine, and recover as much of the oil as close to the source of discharge as possible using offstream containment and collection methods, including but not limited to: blocking down-drains and culverts with sand bag dams, sorbents, hay bales, and temporary berms. Use vacuum trucks, and/or sorbents, as appropriate, to recover and remove oil. Dispose contaminants according to waste management plan.

Strategy 4-711.2 Objective: Inland Response - Activate permanent spill containment basins to minimize oil contamination in downstream areas.

The oil production facility in this watershed has permanent instream oil spill containment basins. Should an oil spill occur upstream of basins, activate spill containment and collection procedures. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and/ or other mechanical means for collecting oil. Monitor basin and associated features to maintain their integrity and effectiveness. Additional temporary spill basins may be built if there would be a net environmental benefit to their use. Consult with resource biologist prior to constructing temporary basins.

Strategy 4-711.3 Objective: Inland Spill - Berming - Minimize oil contamination in downstream areas when flows, habitat, biota, materials, access, and topography are suitable.

Berming - Build a berm(s) across the stream channel using silt free materials or sandbags under the direction of an authorized biologist to minimize damage to wildlife and habitat. Install underflow pipes and a spillway with a filter barrier the berm to allow through flows if water is actively flowing. Cover the berm with sheet plastic to minimize erosion. Place swamp and/or sorbent booms upstream of the containment berm and along the streambanks to prevent downstream contamination from entrainment and/or washover to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor booms and associated features 2 X daily to maintain their integrity and effectiveness.

Strategy 4-711.4 Objective: Shoreline Precleaning - Prevent oiling of vegetation, woody and debris, trash, and other materials to reduce collateral contamination and disposal problems.

Inland waters precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. When oiling of the channel is imminent, remove and store wood, aquatic vegetation, debris, trash, and other materials which could become oiled and create environmental hazards and disposal problems. The use of heavy equipment in the channel is prohibited and pre-cleaning will be conducted by hand crews to minimize disturbance to wildlife and their habitats unless authorized by the IC. Segregate and dispose trash.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom		Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
			Amount and Type			Num	Type and Gear			Num and Type		Deploy	Tending
4-711.1													
4-711.2													
4-711.3													
4-711.4													

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

This site is accessed from PCH off US 101. PCH provides access to approximately 8 miles of coastline from just north of Seacliff to Emma Wood State Beach. There is also a paved pipeline access/farm road which parallels PCH, running from

4-711 -C Site Strategy - Madranio Canyon

4-711 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 459 F x 7

34.345

119.417

Vintage Petroleum's western facility at Madranio Cyn, south to Rincon Gardens near Faria (Pitas Pt. and Padre Juan Canyon).

LAND ACCESS:

This site is located on the coastal facing slopes of the Rincon coast in north Ventura Co, on property leased by Vintage Petroleum. The spill threat for this area is from primarily from inland sources. The lease is gated and phones are present at some gates to contact Vintage for access. If the gate does not have a phone, contact Vintage by cell phone. The main roadways are asphalted and are passable by all vehicles and heavy equipment. There are some sections in this lease that are not reachable because of impassible roads. Access to some may not be possible in wet periods due to landslides. There are roadside pullouts at improved and unimproved spill containment basins.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area, Santa Barbara Harbor is the nearest full service civilian harbor. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco. From Seacliff south, contact Ventura Harbor for full service berthing, launching and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

LOGISTICS:

Staging Areas: Marine Spills: Numerous areas exist along Pacific Coast Highway, along the roadway, and in the State and County parks. Inland Spills: Staging areas and stream access points occur near containment basins, along roadways at bridges, and near facilities.

Response Equipment: Onsite: Vintage has some equipment and a mobile spill response trailer staged onsite. Offsite: The Clean Seas Yard at Carpinteria, approximately 5 miles to the northwest of Rincon Point.

Potential Field Command Posts: Vintage offices; County Parks, Ventura County Fire Station at Sea Cliff.

Closest Airports: Oxnard and Camarillo.

COMMUNICATIONS PROBLEMS:

Cell phone communications are adequate from the freeway but drop off in canyon areas. A satellite phone will be required in coastal canyons.

Radio communications can also be spotty when in the canyons.

ADDITIONAL OPERATIONAL COMMENTS:



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site Number: 4-711 Site Name: MADRANIO CANYON

Ken Wilson (OSPR) & MSTC Seibel USCGR
 Date: 14/SEPT/04

○-○-○-○ Harbor / Curtain Boom	▨ Sorbent boom	➤ SSS - Shoreside Skimming System
×××××× Swamp / River Boom	▨ Berm, Dam, or Dike	➤ SFS - Stationary Floating Skimmer
— all other boom types	++++ Filter fence	➤ SPS - Self Propelled Skimmer
	◀ Boom tow	➤ TSA - Towed Skimming Array

4-717 -C Site Summary - Javon Canyon**4-717 -C****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Pitas Point**Thomas Guide Location:** 469 H x 2

34.333

119.401

Last Page Update : 10/1/2005

SITE DESCRIPTION:

The Javon Canyon has a watershed area of 2.9 sq.mi. with a 50Q flow of 1160 cu.ft./sec at the ocean. The site is included within Vintage's 'B' and 'Padre' Leases and includes~ 1.4 miles of stream between the upstream boundary and the leases and the ocean. The stream empties into the ocean through a rectangular concrete culvert onto a sand beach backed by concrete seawall which could be oiled by either inland or marine spills. There are two out-of-facility oil spill containment structures in this canyon - a permanent instream oil spill containment basin and an 'oil saver'. The structures are located ~0.4 mile and 0.6 mile up the canyon from the point where the coastal road turns up canyon. The primary threat is from inland spills.

SEASONAL and SPECIAL RESOURCE CONCERNS

All year for Pismo clams on sand beaches; Littleneck clams occur on some of the sand/cobble beaches. Black abalone reportedly occur in rocky intertidal area near seacliff. Surfperch in surf zone throughout area. Shorebirds and seabirds occur throughout the area with Brown pelicans and cormorants common on oil island. The rip-rapped coastline adjacent to this site does not have inlets, marshes, or coastal wetlands which would be threatened by marine or inland spills.

RESOURCES OF PRIMARY CONCERN

The primary habitats at risk are those that support inland species. Secondarily threatened are nearshore marine species. Brown Pelicans (FE) and marine mammals feed in nearshore waters year around. The banks of the stream are steeply sloped and heavily vegetated. The bed of the stream is ~ 6 to 20 feet in width and is comprised of sand, gravel, and cobbles. The banks are predominantly coastal sage scrub type vegetation: poison oak, California sage brush, and lemonade berry. Giant wild rye, tree tobacco, sweet fennel, and arroyo willows also occur in lesser abundance along the banks. Characteristic of the streambed are: arroyo willows, mulefat, cocklebur, brass buttons, goosefoot, narrow-leaf cattail, sheep sorrel, and salt grass (*Distichlis*). *Enteromorpha*, a green alga, also occurs in low flow channel. This natural reach of stream provides sheltering, foraging, nesting and nursery areas; migratory pathways; and sources of drinking water for wildlife and aquatic species.

California and spotted towhees, scrubjays, common yellowthroats, house and canyon wrens, black phoebes, house finches, warblers, raptors, crows, turkey vultures frequent this area.

Deer, coyote, rabbits, opossum, skunks, raccoons, snakes and lizards, frogs, etc occur here year around. Both mountain lions and bears have been observed in the area.

No freshwater fishes are found here.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
	Bill Barrett Lease Foreman	Vintage Petroleum (Rincon and Diablo Canyon Faci	(805) 641-5566
	Pam Gallo Operations supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 654-3934
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Jim Lovins Environmental Manager	Vintage Petroleum	(805) 701-8402
	Rip Reed Maintenance supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 525-8610
T	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura Sector Office	California State Parks	(805) 648-4127
	Ventura Sheriff Dispatch (24hr)	Ventura County	(805) 662-6755

ADDITIONAL SITE SUMMARY COMMENTS:

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 469 H x 2

34.333

119.401

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 10/1/2005

Primary spill threat from inland source. The primary objectives are to minimize oiling of stream, pre-clean debris, clean oil from bed and banks, and block oil from reaching ocean. The stream provides habitat for sensitive animals and habitat which can be injured by oil and response/cleanup activities. It is important for responders to minimize downstream oiling, disturbance in stream and associated vegetation; avoid trampling oil into sediments; minimize collateral oiling, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Safety Considerations- Narrow roads and hillsides may be unstable in wet weather. When on or near US 101 and Hwy 1 traffic and parking can be hazardous. On facility roads, beware of vehicles, heavy equipment and foot traffic. When working in streams and brush, beware of ticks, poison oak, and rattlesnakes. Care must be taken when working on in these coastal canyons the hillsides are subject to landslides and flash flooding during wet weather.

SITE STRATEGIES

Strategy 4-717.1 Objective: Inland Spill - Off water containment - Minimize amount of oil that enters the water.

Offwater Control and Containment - Control, confine, and recover as much of the oil as close to the source of discharge as possible using offstream containment and collection methods, including but not limited to: blocking down-drains and culverts with sand bag dams, sorbents, hay bales, and temporary berms. Use vacuum trucks, and/or sorbents, as appropriate, to recover and remove oil. Dispose contaminants according to waste management plan.

Strategy 4-717.2 Objective: Inland Response - Activate permanent spill containment basins to minimize oil contamination in downstream areas.

The oil production facility in this watershed has permanent instream oil spill containment basins. Should an oil spill occur upstream of basins, activate spill containment and collection procedures. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and/ or other mechanical means for collecting oil. Monitor basin and associated features to maintain their integrity and effectiveness. Additional temporary spill basins may be built if there would be a net environmental benefit to their use. Consult with resource biologist prior to constructing temporary basins.

Strategy 4-717.3 Objective: Inland Spill - Berming - Minimize oil contamination in downstream areas when flows, habitat, biota, materials, access, and topography are suitable.

Berming - Build a berm(s) across the stream channel using silt free materials or sandbags under the direction of an authorized biologist to minimize damage to wildlife and habitat. Install underflow pipes and a spillway with a filter barrier the berm to allow through flows if water is actively flowing. Cover the berm with sheet plastic to minimize erosion. Place swamp and/or sorbent booms upstream of the containment berm and along the streambanks to prevent downstream contamination from entrainment and/or washover to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor booms and associated features 2 X daily to maintain their integrity and effectiveness.

Strategy 4-717.4 Objective: Shoreline Precleaning - Prevent oiling of vegetation, woody and debris, trash, and other materials to reduce collateral contamination and disposal problems.

Inland waters precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. When oiling of the channel is imminent, remove and store wood, aquatic vegetation, debris, trash, and other materials which could become oiled and create environmental hazards and disposal problems. The use of heavy equipment in the channel is prohibited and pre-cleaning will be conducted by hand crews to minimize disturbance to wildlife and their habitats unless authorized by the IC. Segregate and dispose trash.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom		Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
			Amount and Type			Num	Type and Gear			Num and Type		Deploy	Tending
4-717.1													
4-717.2													
4-717.3													
4-717.4													

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

This site is accessed from PCH off US 101. PCH provides access to approximately 8 miles of coastline from just north of Seacliff to Emma Wood State Beach. There is also a paved pipeline access/farm road which parallels PCH, running from

4-717 -C Site Strategy - Javon Canyon

4-717 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 469 H x 2

34.333

119.401

Vintage Petroleum's western facility at Madranio Cyn, south to Rincon Gardens near Faria (Pitas Pt. and Padre Juan Canyon).

LAND ACCESS:

This site is located on the coastal facing slopes of the Rincon coast in north Ventura Co, on property leased by Vintage Petroleum. The spill threat for this area is from primarily from inland sources. The lease is gated and phones are present at some gates to contact Vintage for access. If the gate does not have a phone, contact Vintage by cell phone. The main roadways are asphalted and are passable by all vehicles and heavy equipment. There are some sections in this lease that are not reachable because of impassible roads. Access to some may not be possible in wet periods due to landslides. There are roadside pullouts at improved and unimproved spill containment basins.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area, Santa Barbara Harbor is the nearest full service civilian harbor. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco. From Seacliff south, contact Ventura Harbor for full service berthing, launching and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

LOGISTICS:

Staging Areas: Marine Spills: Numerous areas exist along Pacific Coast Highway, along the roadway, and in the State and County parks. Inland Spills: Staging areas and stream access points occur near containment basins, along roadways at bridges, and near facilities.

Response Equipment: Onsite: Vintage has some equipment and a mobile spill response trailer staged onsite. Offsite: The Clean Seas Yard at Carpinteria, approximately 5 miles to the northwest of Rincon Point.

Potential Field Command Posts: Vintage offices; County Parks, Ventura County Fire Station at Sea Cliff.

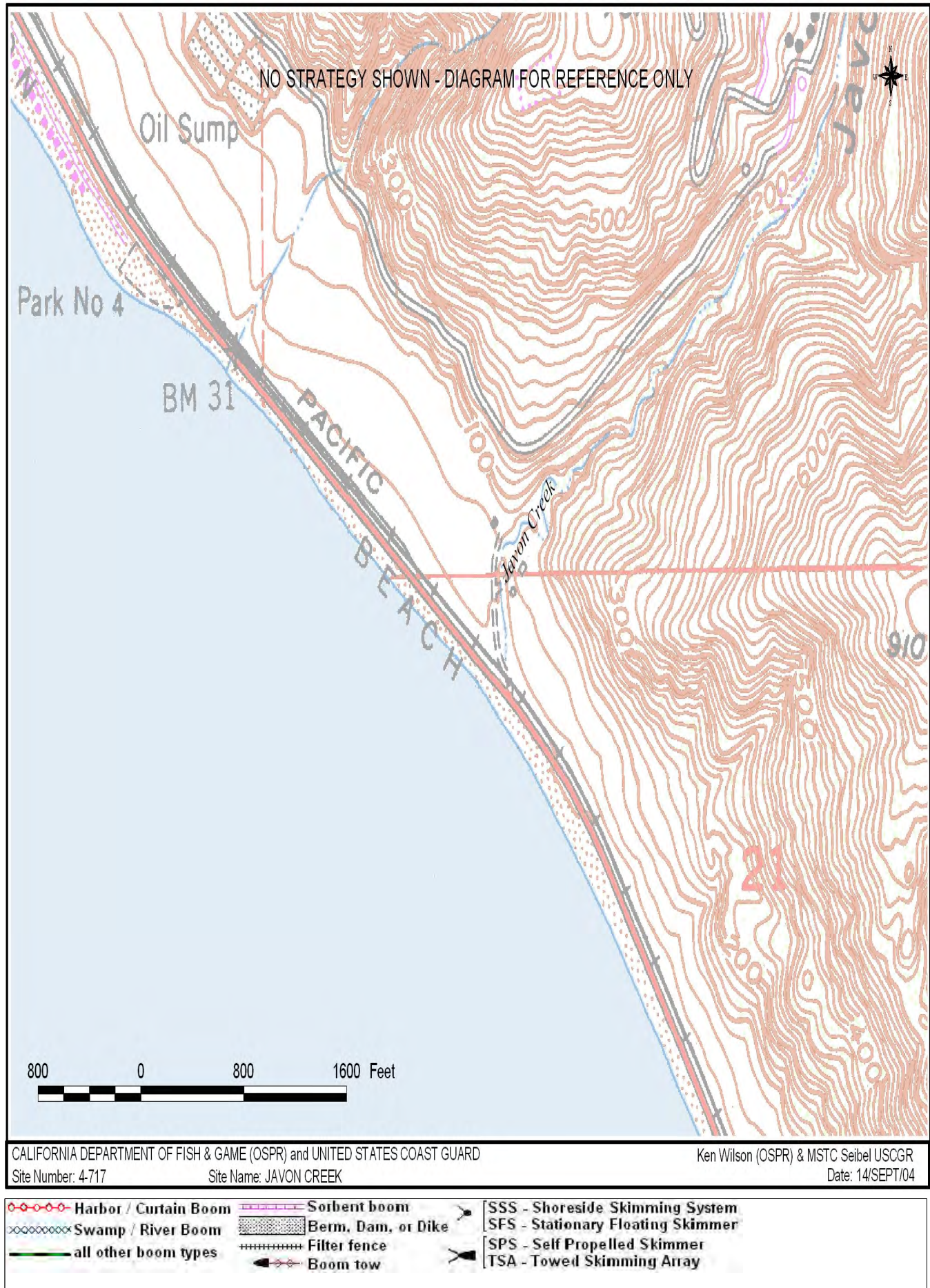
Closest Airports: Oxnard and Camarillo.

COMMUNICATIONS PROBLEMS:

Cell phone communications are adequate from the freeway but drop off in canyon areas. A satellite phone will be required in coastal canyons.

Radio communications can also be spotty when in the canyons.

ADDITIONAL OPERATIONAL COMMENTS:



4-723 -C Site Summary - Padre Juan Canyon

4-723 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 470 A-B x 3

34.319

119.390

SITE DESCRIPTION:

Last Page Update : 10/1/2005

The Padre Juan Canyon has a watershed area of 3.0 sq.mi. with a 50Q flow of 1830 cu.ft./sec at the ocean. The site is included within Vintage's 'B Lease' and includes ~ 1.5 miles of stream between the upstream boundary of the lease and the ocean. The stream empties into the ocean through two rectangular concrete culverts onto a wavewashed boulder rip-rapped shoreline which could be oiled by either inland or marine spills. The primary threat is from inland spills.

SEASONAL and SPECIAL RESOURCE CONCERNS

The primary habitats at risk are those that support inland species. Secondly threatened are nearshore marine species. Brown Pelicans (FE) and marine mammals feed in nearshore waters year around. The rip-rapped coastline adjacent to this site does not have inlets, marshes, or coastal wetlands which would be threatened by marine or inland spills.

RESOURCES OF PRIMARY CONCERN

The banks of the stream are steeply sloped and heavily vegetated. The stream bed is ~ 6 to 20 feet in width and is comprised primarily of sandy alluvium intermixed with rounded gravel and cobbles. Bedrock outcroppings or very large boulders occur in some of the reaches examined. Large chunks of concrete with rounded edges and fallen vegetative debris occur in several locations along the reach of streambed. The banks are predominantly coastal sage scrub type vegetation which include poison oak, California sage brush, and lemonade berry. Giant wild rye, tree tobacco, sweet fennel, and 4 to 10 inch diameter at breast height arroyo willows occur in lesser abundance along the banks where they intersect with the streambed. Characteristic of the streambed are: arroyo willows, mulefat, cocklebur, brass buttons, big saltbush, narrow-leaf cattail, sheep sorrel, and salt grass (*Distichlis*). The low flow channel had large quantities of what appeared to be *Enteromorpha*, a green alga, growing in it. This natural reach of stream provides sheltering, foraging, nesting and nursery areas; migratory pathways; and sources of drinking water for wildlife and aquatic species.

California and spotted towhees, scrub jays, common yellowthroats, house and canyon wrens, black phoebes, house finches, warblers, raptors, crows, turkey vultures frequent this area.

Deer, coyote, rabbits, opossum, deer, skunks, raccoons, snakes and lizards, frogs, etc occur here year around. Both mountain lions and bears have been observed in the area.

No freshwater fishes are found here.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
	Bill Barrett Lease Foreman	Vintage Petroleum (Rincon and Diablo Canyon Faci	(805) 641-5566
	Pam Gallo Operations supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 654-3934
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Jim Lovins Environmental Manager	Vintage Petroleum	(805) 701-8402
	Rip Reed Maintenance supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 525-8610
T	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura Sector Office	California State Parks	(805) 648-4127

ADDITIONAL SITE SUMMARY COMMENTS:

4-723 -C Site Strategy - Padre Juan Canyon

4-723 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 470 A-B x 3

34.319

119.390

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 10/1/2005

Primary spill threat from inland source. The primary objectives are to minimize oiling of stream, pre-clean debris, clean oil from bed and banks, and block oil from reaching ocean. The stream provides habitat for sensitive animals and habitat which can be injured by oil and response/cleanup activities. It is important for responders to minimize downstream oiling, disturbance in stream and associated vegetation; avoid trampling oil into sediments; minimize collateral oiling, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Safety Considerations- Narrow roads and hillsides may be unstable in wet weather. When on or near US 101 and Hwy 1 traffic and parking can be hazardous. On facility roads, beware of vehicles, heavy equipment and foot traffic. When working in streams and brush, beware of ticks, poison oak, and rattlesnakes. Care must be taken when working on in these coastal canyons the hillsides are subject to landslides and flash flooding during wet weather.

SITE STRATEGIES

Strategy 4-723.1 Objective: Inland Spill - Off water containment - Minimize amount of oil that enters the water.

Offwater Control and Containment - Control, confine, and recover as much of the oil as close to the source of discharge as possible using offstream containment and collection methods, including but not limited to: blocking down-drains and culverts with sand bag dams, sorbents, hay bales, and temporary berms. Use vacuum trucks, and/or sorbents, as appropriate, to recover and remove oil. Dispose contaminants according to waste management plan.

Strategy 4-723.2 Objective: Inland Response - Activate permanent spill containment basins to minimize oil contamination in downstream areas.

The oil production facility in this watershed has permanent instream oil spill containment basins. Should an oil spill occur upstream of basins, activate spill containment and collection procedures. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and/ or other mechanical means for collecting oil. Monitor basin and associated features to maintain their integrity and effectiveness. Additional temporary spill basins may be built if there would be a net environmental benefit to their use. Consult with resource biologist prior to constructing temporary basins.

Strategy 4-723.3 Objective: Inland Spill - Berming - Minimize oil contamination in downstream areas when flows, habitat, biota, materials, access, and topography are suitable.

Berming - Build a berm(s) across the stream channel using silt free materials or sandbags under the direction of an authorized biologist to minimize damage to wildlife and habitat. Install underflow pipes and a spillway with a filter barrier the berm to allow through flows if water is actively flowing. Cover the berm with sheet plastic to minimize erosion. Place swamp and/or sorbent booms upstream of the containment berm and along the streambanks to prevent downstream contamination from entrainment and/or washover to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor booms and associated features 2 X daily to maintain their integrity and effectiveness.

Strategy 4-723.4 Objective: Shoreline Precleaning - Prevent oiling of vegetation, woody and debris, trash, and other materials to reduce collateral contamination and disposal problems.

Inland waters precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. When oiling of the channel is imminent, remove and store wood, aquatic vegetation, debris, trash, and other materials which could become oiled and create environmental hazards and disposal problems. The use of heavy equipment in the channel is prohibited and pre-cleaning will be conducted by hand crews to minimize disturbance to wildlife and their habitats unless authorized by the IC. Segregate and dispose trash.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
					Num	Type and Gear			Num and Type		Deploy	Tending
4-723.1												
4-723.2												
4-723.3												
4-723.4												

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

This site is accessed from PCH off US 101. PCH provides access to approximately 8 miles of coastline from just north of Seacliff to Emma Wood State Beach. There is also a paved pipeline access/farm road which parallels PCH, running from

4-723 -C Site Strategy - Padre Juan Canyon

4-723 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 470 A-B x 3

34.319

119.390

Vintage Petroleum's western facility at Madranio Cyn, south to Rincon Gardens near Faria (Pitas Pt. and Padre Juan Canyon).

LAND ACCESS:

This site is located on the coastal facing slopes of the Rincon coast in north Ventura Co, on property leased by Vintage Petroleum. The spill threat for this area is from primarily from inland sources. The lease is gated and phones are present at some gates to contact Vintage for access. If the gate does not have a phone, contact Vintage by cell phone. The main roadways are asphalted and are passable by all vehicles and heavy equipment. There are some sections in this lease that are not reachable because of impassible roads. Access to some may not be possible in wet periods due to landslides. There are roadside pullouts at improved and unimproved spill containment basins.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area, Santa Barbara Harbor is the nearest full service civilian harbor. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco. From Seacliff south, contact Ventura Harbor for full service berthing, launching and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

LOGISTICS:

Staging Areas: Marine Spills: Numerous areas exist along Pacific Coast Highway, along the roadway, and in the State and County parks. Inland Spills: Staging areas and stream access points occur near containment basins, along roadways at bridges, and near facilities.

Response Equipment: Onsite: Vintage has some equipment and a mobile spill response trailer staged onsite. Offsite: The Clean Seas Yard at Carpinteria, approximately 5 miles to the northwest of Rincon Point.

Potential Field Command Posts: Vintage offices; County Parks, Ventura County Fire Station at Sea Cliff.

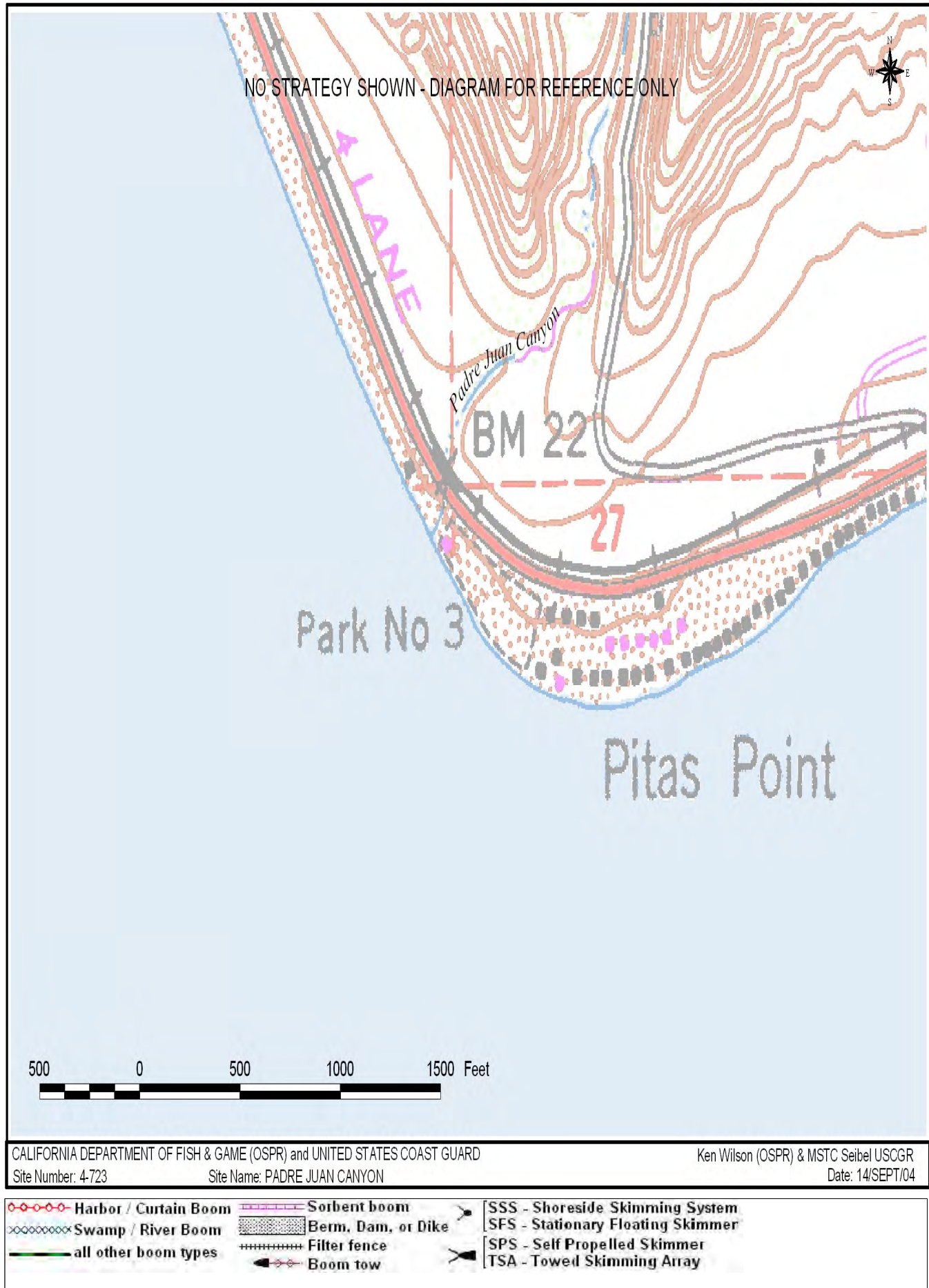
Closest Airports: Oxnard and Camarillo.

COMMUNICATIONS PROBLEMS:

Cell phone communications are adequate from the freeway but drop off in canyon areas. A satellite phone will be required in coastal canyons.

Radio communications can also be spotty when in the canyons.

ADDITIONAL OPERATIONAL COMMENTS:



4-729 -C Site Summary - A-Lease Canyon**4-729 -C****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Pitas Point**Thomas Guide Location:** 470 C-D x 3-4

34.375

119.473

Last Page Update : 10/1/2005

SITE DESCRIPTION:

Line Canyon has a watershed area of 1.3 sq.mi. with a 50Q flow of 960 cu.ft./sec at the ocean. The site is included within Vintage's 'Grubb' Lease, A and Oakgrove Leases, and includes ~ 2.3 miles of streams within the watershed between the upstream boundaries of the leases and the ocean. The stream empties into the ocean through a rectangular concrete culvert onto a sand beach lined by boulder rip-rap which could be oiled by either inland or marine spills. There is one permanent instream oil spill containment basin located immediately upstream of US 101 and west of the oil facility seawater treatment facility (not in operation).

SEASONAL and SPECIAL RESOURCE CONCERNS

The primary habitats at risk are those that support inland species. Secondarily threatened are nearshore marine species. Brown Pelicans (FE) and marine mammals feed in nearshore waters year around.

RESOURCES OF PRIMARY CONCERN

The stream in A-Lease Canyon is intermittent, flowing primarily during the wet season. The streambed is ~ 4 to 10 feet in width, the low flow channel is ~ 1 to 3 feet in width, and the banks are ~ 4 to 20 feet in height. They are comprised primarily of silt and sand alluvium. Giant wild rye (*Elymus* sp.) and salt grass (*Distichlis*) were predominant. Also observed on the banks were poison oak, California sage brush, quail bush (*Atriplex*) and lemonade berry, and other vegetative species typical of a coastal sage scrub community. The non-native plants tree tobacco and *Myoporum laetum* were also noted in some areas. This natural reach of stream provides sheltering, foraging, nesting and nursery areas; migratory pathways; and sources of drinking water for wildlife and aquatic species. The stream discharges directly into the Pacific Ocean through a concrete culvert onto a wave washed sandy beach backed by rock rip-rap.

California and spotted towhees, scrubjays, common yellowthroats, house and canyon wrens, black phoebes, house finches, warblers, raptors, crows, turkey vultures frequent this area.

Deer, coyote, rabbits, opossum, deer, skunks, raccoons, snakes and lizards, frogs, etc occur here year around. Both mountain lions and bears have been observed in the area.

No freshwater fishes are found here.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
	Bill Barrett Lease Foreman	Vintage Petroleum (Rincon and Diablo Canyon Faci	(805) 641-5566
	Pam Gallo Operations supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 654-3934
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Jim Lovins Environmental Manager	Vintage Petroleum	(805) 701-8402
	Rip Reed Maintenance supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 525-8610
T	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura County Fire Department Dispatch (24hr)	Ventura County	(805) 388-4279
	Ventura Sector Office	California State Parks	(805) 648-4127
	Ventura Sheriff Dispatch (24hr)	Ventura County	(805) 662-6755

ADDITIONAL SITE SUMMARY COMMENTS:

4-729 -C Site Strategy - A-Lease Canyon

4-729 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 470 C-D x 3-4

34.375

119.473

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 10/1/2005

Primary spill threat from inland source. The primary objectives are to minimize oiling of stream, pre-clean debris, clean oil from bed and banks, and block oil from reaching ocean. The stream provides habitat for sensitive animals and habitat which can be injured by oil and response/cleanup activities. It is important for responders to minimize downstream oiling, disturbance in stream and associated vegetation; avoid trampling oil into sediments; minimize collateral oiling, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Safety Considerations- Narrow roads and hillsides may be unstable in wet weather. When on or near US 101 and Hwy 1 traffic and parking can be hazardous. On facility roads, beware of vehicles, heavy equipment and foot traffic. When working in streams and brush, beware of ticks, poison oak, and rattlesnakes. Care must be taken when working on in these coastal canyons the hillsides are subject to landslides and flash flooding during wet weather.

SITE STRATEGIES

Strategy 4-729.1 Objective: Inland Spill - Off water containment - Minimize amount of oil that enters the water.

Offwater Control and Containment - Control, confine, and recover as much of the oil as close to the source of discharge as possible using offstream containment and collection methods, including but not limited to: blocking down-drains and culverts with sand bag dams, sorbents, hay bales, and temporary berms. Use vacuum trucks, and/or sorbents, as appropriate, to recover and remove oil. Dispose contaminants according to waste management plan.

Strategy 4-729.2 Objective: Inland Response - Activate permanent spill containment basins to minimize oil contamination in downstream areas.

The oil production facility in this watershed has permanent instream oil spill containment basins. Should an oil spill occur upstream of basins, activate spill containment and collection procedures. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and/ or other mechanical means for collecting oil. Monitor basin and associated features to maintain their integrity and effectiveness. Additional temporary spill basins may be built if there would be a net environmental benefit to their use. Consult with resource biologist prior to constructing temporary basins.

Strategy 4-729.3 Objective: Inland Spill - Berming - Minimize oil contamination in downstream areas when flows, habitat, biota, materials, access, and topography are suitable.

Berming - Build a berm(s) across the stream channel using silt free materials or sandbags under the direction of an authorized biologist to minimize damage to wildlife and habitat. Install underflow pipes and a spillway with a filter barrier the berm to allow through flows if water is actively flowing. Cover the berm with sheet plastic to minimize erosion. Place swamp and/or sorbent booms upstream of the containment berm and along the streambanks to prevent downstream contamination from entrainment and/or washover to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor booms and associated features 2 X daily to maintain their integrity and effectiveness.

Strategy 4-729.4 Objective: Shoreline Precleaning - Prevent oiling of vegetation, woody and debris, trash, and other materials to reduce collateral contamination and disposal problems.

Inland waters precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. When oiling of the channel is imminent, remove and store wood, aquatic vegetation, debris, trash, and other materials which could become oiled and create environmental hazards and disposal problems. The use of heavy equipment in the channel is prohibited and pre-cleaning will be conducted by hand crews to minimize disturbance to wildlife and their habitats unless authorized by the IC. Segregate and dispose trash.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
					Num	Type and Gear			Num and Type		Deploy	Tending
4-729.1												
4-729.2												
4-729.3												
4-729.4												

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

This site is accessed from PCH off US 101. PCH provides access to approximately 8 miles of coastline from just north of Seacliff to Emma Wood State Beach. There is also a paved pipeline access/farm road which parallels PCH, running from

4-729 -C Site Strategy - A-Lease Canyon

4-729 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 470 C-D x 3-4

34.375

119.473

Vintage Petroleum's western facility at Madranio Cyn, south to Rincon Gardens near Faria (Pitas Pt. and Padre Juan Canyon).

LAND ACCESS:

This site is located on the coastal facing slopes of the Rincon coast in north Ventura Co, on property leased by Vintage Petroleum. The spill threat for this area is from primarily from inland sources. The lease is gated and phones are present at some gates to contact Vintage for access. If the gate does not have a phone, contact Vintage by cell phone. The main roadways are asphalted and are passable by all vehicles and heavy equipment. There are some sections in this lease that are not reachable because of impassible roads. Access to some may not be possible in wet periods due to landslides. There are roadside pullouts at improved and unimproved spill containment basins.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area, Santa Barbara Harbor is the nearest full service civilian harbor. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco. From Seacliff south, contact Ventura Harbor for full service berthing, launching and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

LOGISTICS:

Staging Areas: Marine Spills: Numerous areas exist along Pacific Coast Highway, along the roadway, and in the State and County parks. Inland Spills: Staging areas and stream access points occur near containment basins, along roadways at bridges, and near facilities.

Response Equipment: Onsite: Vintage has some equipment and a mobile spill response trailer staged onsite. Offsite: The Clean Seas Yard at Carpinteria, approximately 5 miles to the northwest of Rincon Point.

Potential Field Command Posts: Vintage offices; County Parks, Ventura County Fire Station at Sea Cliff.

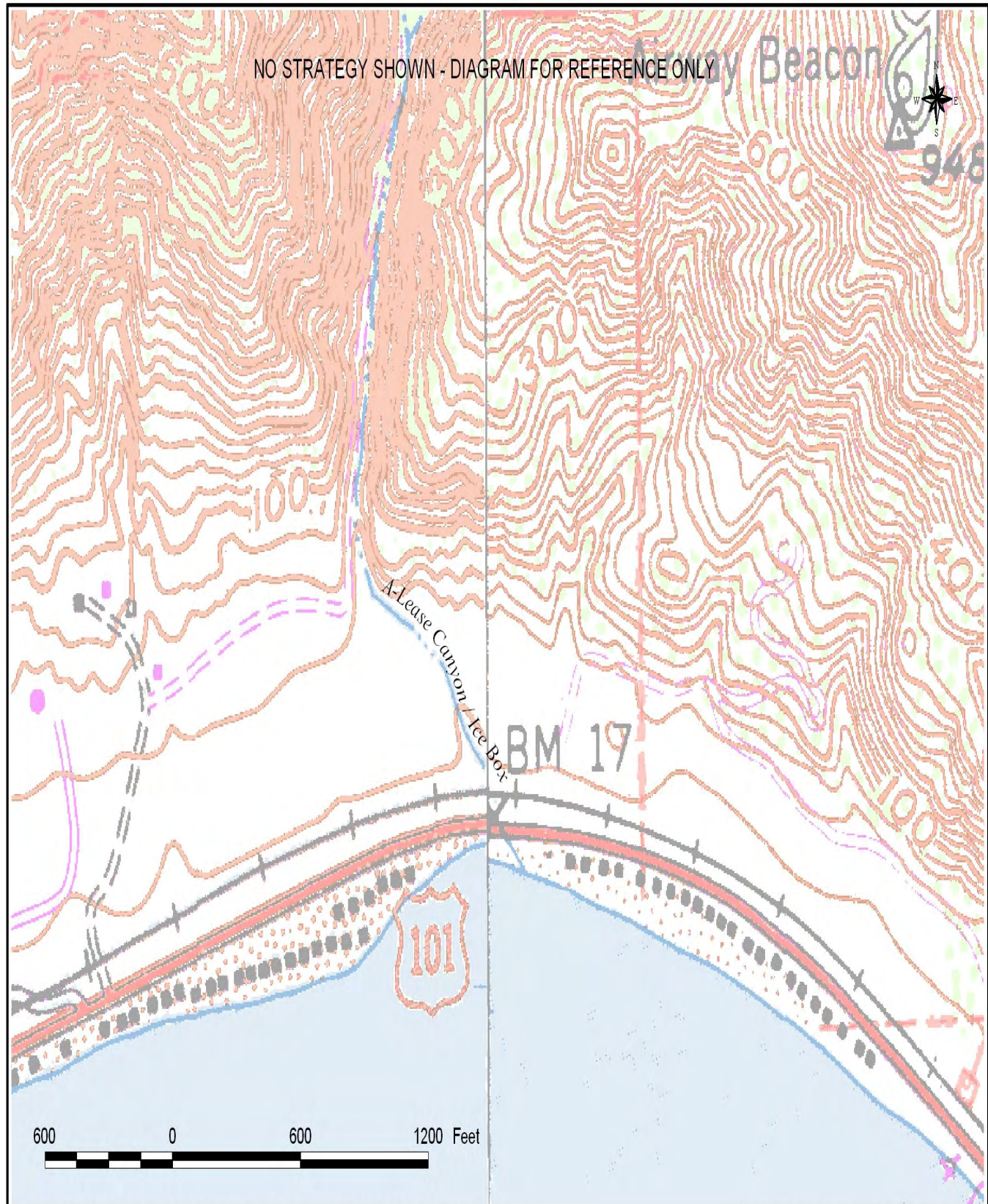
Closest Airports: Oxnard and Camarillo.

COMMUNICATIONS PROBLEMS:

Cell phone communications are adequate from the freeway but drop off in canyon areas. A satellite phone will be required in coastal canyons.

Radio communications can also be spotty when in the canyons.

ADDITIONAL OPERATIONAL COMMENTS:



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site Number: 4-729 Site Name: A-LEASE CANYON (a.k.a. ICE BOX)

Ken Wilson (OSPR) & MSTC Seibel USCGR
 Date: 14/SEPT/04

<ul style="list-style-type: none"> Harbor / Curtain Boom Swamp / River Boom all other boom types 	<ul style="list-style-type: none"> Sorbent boom Berm, Dam, or Dike Filter fence Boom tow 	<ul style="list-style-type: none"> SSS - Shoreside Skimming System SFS - Stationary Floating Skimmer SPS - Self Propelled Skimmer TSA - Towed Skimming Array
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4-735 -C Site Summary - Amphitheater Canyon

4-735 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 470 D-E x 4-5

34.375

119.473

Last Page Update : 10/1/2005

SITE DESCRIPTION:

Amphitheater Canyon has a watershed area of ~ 0.5 sq.mi. The site is included within Vintage's 'Grubb' Lease. It includes ~ 0.98 mile of stream subject to spills within the watershed between the upstream boundaries of the lease and the ocean. The stream empties into the ocean through an open channel onto a sand beach backed by boulder rip-rap in the gated community of Solimar Beach. This beach could be oiled by either inland or marine spills. There is one permanent instream oil spill containment basin in this canyon located ~0.2 mile upstream of US 101 where the facility frontage road (Amphitheater Rd) turns northeast into Amphitheater Canyon. There are two earthen underflow basins in this watershed. The primary threat is from inland spills.

SEASONAL and SPECIAL RESOURCE CONCERNS

The primary habitats at risk are those that support inland species. Secondarily threatened are nearshore marine species. Brown Pelicans (FE) and marine mammals feed in nearshore waters year around.

RESOURCES OF PRIMARY CONCERN

The stream in Amphitheater Canyon is intermittent, flowing primarily during the wet season. The streambed ranges from 4 to 10 feet in width; the low flow channel is 1 to 3 feet in width, and the banks range from 4 to 20 feet in height. They are comprised primarily of silt and sand alluvium. Alluvium in some areas is encrusted with salt inflorescence, suggesting that streamflows have a high salt content. Giant wild rye (*Elymus* sp.) and salt grass (*Distichlis*) are predominant in the wetted portion of the stream. Occurring on the banks are poison oak, California sage brush, quail bush (*Atriplex*) and lemonade berry, and other vegetative species typical of a coastal sage scrub community. The non-native plants tree tobacco and *Myoporum laetum* were also noted in some areas.

This natural reach of stream provides sheltering, foraging, nesting and nursery areas; migratory pathways; and sources of drinking water for wildlife and aquatic species. The stream discharges directly into the Pacific Ocean through a concrete culvert onto a wave washed sandy beach backed by rock rip-rap.

California and spotted towhees, scrubjays, common yellowthroats, house and canyon wrens, black phoebes, house finches, warblers, raptors, crows, turkey vultures frequent this area.

Deer, coyote, rabbits, opossum, deer, skunks, raccoons, snakes and lizards, frogs, etc occur here year around. Both mountain lions and bears have been observed in the area.

No freshwater fishes are found here.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Bill Barrett Lease Foreman	Vintage Petroleum (Rincon and Diablo Canyon Faci	(805) 641-5566
	Pam Gallo Operations supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 654-3934
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Jim Lovins Environmental Manager	Vintage Petroleum	(805) 701-8402
	Rip Reed Maintenance supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 525-8610
	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura County Fire Department Dispatch (24hr)	Ventura County	(805) 388-4279
	Ventura Sector Office	California State Parks	(805) 648-4127
	Ventura Sheriff Dispatch (24hr)	Ventura County	(805) 662-6755

ADDITIONAL SITE SUMMARY COMMENTS:

4-735 -C Site Strategy - Amphitheater Canyon

4-735 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 470 D-E x 4-5

34.375

119.473

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 10/1/2005

Primary spill threat from inland source. The primary objectives are to minimize oiling of stream, pre-clean debris, clean oil from bed and banks, and block oil from reaching ocean. The stream provides habitat for sensitive animals and habitat which can be injured by oil and response/cleanup activities. It is important for responders to minimize downstream oiling, disturbance in stream and associated vegetation; avoid trampling oil into sediments; minimize collateral oiling, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Safety Considerations- Narrow roads and hillsides may be unstable in wet weather. When on or near US 101 and Hwy 1 traffic and parking can be hazardous. On facility roads, beware of vehicles, heavy equipment and foot traffic. When working in streams and brush, beware of ticks, poison oak, and rattlesnakes. Care must be taken when working on in these coastal canyons the hillsides are subject to landslides and flash flooding during wet weather.

SITE STRATEGIES

Strategy 4-735.1 Objective: Inland Spill - Off water containment - Minimize amount of oil that enters the water.

Offwater Control and Containment - Control, confine, and recover as much of the oil as close to the source of discharge as possible using offstream containment and collection methods, including but not limited to: blocking down-drains and culverts with sand bag dams, sorbents, hay bales, and temporary berms. Use vacuum trucks, and/or sorbents, as appropriate, to recover and remove oil. Dispose contaminants according to waste management plan.

Strategy 4-735.2 Objective: Inland Response - Activate permanent spill containment basins to minimize oil contamination in downstream areas.

The oil production facility in this watershed has permanent instream oil spill containment basins. Should an oil spill occur upstream of basins, activate spill containment and collection procedures. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and/ or other mechanical means for collecting oil. Monitor basin and associated features to maintain their integrity and effectiveness. Additional temporary spill basins may be built if there would be a net environmental benefit to their use. Consult with resource biologist prior to constructing temporary basins.

Strategy 4-735.3 Objective: Inland Spill - Berming - Minimize oil contamination in downstream areas when flows, habitat, biota, materials, access, and topography are suitable.

Berming - Build a berm(s) across the stream channel using silt free materials or sandbags under the direction of an authorized biologist to minimize damage to wildlife and habitat. Install underflow pipes and a spillway with a filter barrier the berm to allow through flows if water is actively flowing. Cover the berm with sheet plastic to minimize erosion. Place swamp and/or sorbent booms upstream of the containment berm and along the streambanks to prevent downstream contamination from entrainment and/or washover to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor booms and associated features 2 X daily to maintain their integrity and effectiveness.

Strategy 4-735.4 Objective: Shoreline Precleaning - Prevent oiling of vegetation, woody and debris, trash, and other materials to reduce collateral contamination and disposal problems.

Inland waters precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. When oiling of the channel is imminent, remove and store wood, aquatic vegetation, debris, trash, and other materials which could become oiled and create environmental hazards and disposal problems. The use of heavy equipment in the channel is prohibited and pre-cleaning will be conducted by hand crews to minimize disturbance to wildlife and their habitats unless authorized by the IC. Segregate and dispose trash.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
					Num	Type and Gear			Num and Type		Deploy	Tending
4-735.1												
4-735.2												
4-735.3												
4-735.4												

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

This site is accessed from PCH off US 101. PCH provides access to approximately 8 miles of coastline from just north of Seacliff to Emma Wood State Beach. There is also a paved pipeline access/farm road which parallels PCH, running from

4-735 -C Site Strategy - Amphitheater Canyon

4-735 -C

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Pitas Point

Thomas Guide Location: 470 D-E x 4-5

34.375

119.473

Vintage Petroleum's western facility at Madranio Cyn, south to Rincon Gardens near Faria (Pitas Pt. and Padre Juan Canyon).

LAND ACCESS:

This site is located on the coastal facing slopes of the Rincon coast in north Ventura Co, on property leased by Vintage Petroleum. The spill threat for this area is from primarily from inland sources. The lease is gated and phones are present at some gates to contact Vintage for access. If the gate does not have a phone, contact Vintage by cell phone. The main roadways are asphalted and are passable by all vehicles and heavy equipment. There are some sections in this lease that are not reachable because of impassible roads. Access to some may not be possible in wet periods due to landslides. There are roadside pullouts at improved and unimproved spill containment basins.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area, Santa Barbara Harbor is the nearest full service civilian harbor. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco. From Seacliff south, contact Ventura Harbor for full service berthing, launching and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

LOGISTICS:

Staging Areas: Marine Spills: Numerous areas exist along Pacific Coast Highway, along the roadway, and in the State and County parks. Inland Spills: Staging areas and stream access points occur near containment basins, along roadways at bridges, and near facilities.

Response Equipment: Onsite: Vintage has some equipment and a mobile spill response trailer staged onsite. Offsite: The Clean Seas Yard at Carpinteria, approximately 5 miles to the northwest of Rincon Point.

Potential Field Command Posts: Vintage offices; County Parks, Ventura County Fire Station at Sea Cliff.

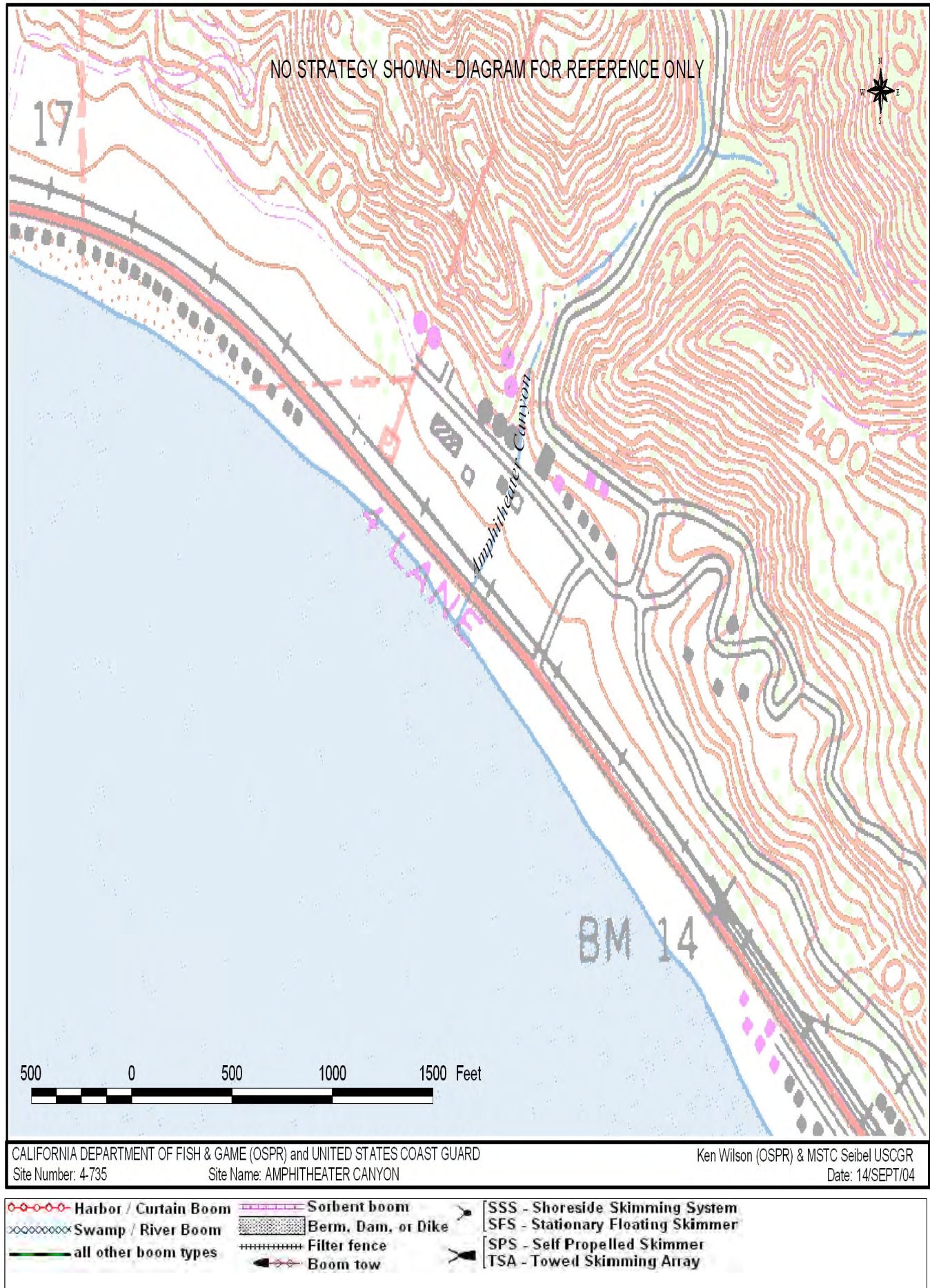
Closest Airports: Oxnard and Camarillo.

COMMUNICATIONS PROBLEMS:

Cell phone communications are adequate from the freeway but drop off in canyon areas. A satellite phone will be required in coastal canyons.

Radio communications can also be spotty when in the canyons.

ADDITIONAL OPERATIONAL COMMENTS:



4-740 -A Site Summary - Ventura River

4-740 -A

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Ventura

Thomas Guide Location: 491 A x 2

34.276

119.307

Last Page Update : 5/15/2008

SITE DESCRIPTION:

100 yards SE and NW from the centerline of the Ventura River mouth. The Ventura river mouth and lagoon are relatively large and are considered important wildlife habitats for birds, wetland biota, and fishes (particularly Tidewater goby and steelhead trout). The mouth is open to the ocean much of the year but can be closed off by a sand berm during the dry season. A smaller, secondary mouth lies approx. 2 mile up coast (NW) but is usually only open during heavy rains. The shoreline at the river mouth consists of mixed cobble and boulder; the beaches to the east and west of the mouth are mixed sand and gravel in summer; primarily cobble underlain by sand in the winter. Moderate to large surf is common in winter. High use recreational swimming and surfing area. The river mouth is part of Emma Wood state beach. Seaside wilderness park is located NW of the mouth. Ventura county fairgrounds are located east of the river mouth.

SEASONAL and SPECIAL RESOURCE CONCERNS

Whenever the river is open (depending on flow) wetland biota, including several listed species (see below), are at risk.

RESOURCES OF PRIMARY CONCERN

Belding's savannah sparrow, Least bells vireo, Clapper rail, numerous seabirds including Brown pelicans (Feb-Nov), and Least terns; plus shorebirds, waterfowl and hawks. Western snowy plovers (Apr-Sep) nest along the beach between the main and secondary river mouths.

Terrestrial mammals, Western pond turtle and Legless lizard.

Steelhead trout (one of the largest runs in southern california) - December through April when mouth is open.

Tidewater goby (year round).

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Archaeology, History, & Museum Div.	California State Parks (Sacto Office)	(916) 653-8480
	Maurice Cardenas Fisheries Biologist	CDFG - (Freshwater Species)	(805) 640-1852
	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
	Pam Gallo Operations supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 654-3934
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Stan Glowacki	NMFS - Steelhead	(562) 980-4061
T	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Mary Larson Fisheries Biologist	CDFG - (Steelhead)	(562) 342-7186
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
T	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura Fairgrounds (Access)	Ventura County	(805) 648-3376
	Ventura Police Dispatch (24hrs)	City of Ventura	(805) 650-8010
	Ventura Sector Office	California State Parks	(805) 648-4127
	Watershed Protection District	Ventura County	(805) 654-2001

ADDITIONAL SITE SUMMARY COMMENTS:

REFERENCES USED: 1. "CALIFORNIA COASTAL RESOURCE GUIDE" AND "CALIFORNIA COASTAL ACCESS GUIDE" BY THE CALIFORNIA COASTAL COMMISSION. 2. "INVENTORY OF COASTAL WETLANDS IN SANTA BARBARA COUNTY". INTERIM REPORT. BY: R. AMBROSE. 1993. 3. "STATUS OF FISHES OF SOUTHERN CALIFORNIA WITH RECOMMENDATIONS FOR PRESERVES TO MAINTAIN THEIR EXISTENCE". BY: CAMM SWIFT, T. HAGLUND, M. RUIZ. 1990. 4. PROPOSED "WESTERN SNOWY PLOVER CRITICAL HABITAT". BY: USFWS - VENTURA FIELD OFFICE. 5. "COASTAL INLET PROTECTION STRATEGIES FOR OIL SPILL RESPONSE - VOLUME 1." RESEARCH PLANNING INC. 1993.

4-740 -A Site Strategy - Ventura River

4-740 -A

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Ventura

Thomas Guide Location: 491 A x 2

34.276

119.307

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threats from inland and marine sources. The primary objectives are to protect the stream and lagoon from oil, pre-clean debris, and if required, clean oil from shorelines. The lagoon is habitat for Threatened/Endangered (T/E) fishes year round. Several T/E birds inhabit the area. Animals and habitat can be injured by oil and response/cleanup activities unless responders minimize disturbance in the stream, lagoon, and associated vegetation; avoid trampling oil into sediments; minimize collateral oiling; and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries and exits from shorelines and facilities in and around the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. YOU MAY GET STRANDED ON THE BEACH - Plan accordingly.

SITE STRATEGIES

Strategy 4-740.1 Objective: Berming - Prevent oil from contaminating the inlet when it is subject to tidal influence, low flows are present, and/or wave washover could occur if berm materials are present.

Berming - First, consult with resource trustees regarding wildlife issues before undertaking this activity. Build an earthen berm across the mouth of the inlet using onsite materials obtained from unvegetated areas below the high tide line to minimize damage to wildlife and habitat. Install under flow pipes in the berm to allow through flows and/or a spillway with a filter barrier to accommodate flow increases as weather conditions dictate. Cover the berm with sheet plastic to minimize erosion. Second, back the berm with swamp and sorbent booms to prevent contamination from entrainment, leakage and or washover. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor berm and associated features to maintain their integrity and effectiveness.

Strategy 4-740.2 Objective: Booming - Deploy exclusion booms across the inlet entrance to protect sensitive species and habitats when suitable berm building materials are unavailable, water flows are too great, or water depths are too great for berming.

Booming - Deploy exclusion booms across the inlet to minimize the likelihood of oiling the estuary. Place the booms in a configuration which forms an oil collection pocket which can be adjusted to accommodate changes in flow direction. Back exclusion booms with sorbent booms to minimize leakage. Line the shorelines and any side channels within the inlet to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor, adjust, and replace booms at least 2 x per day to maintain their integrity and effectiveness.

Strategy 4-740.3 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
					Num	Type and Gear			Num and Type		Deploy	Tending
4-740.1		1000		1000	6						7	2
Special Equipment: 1 Front End Loader, 1 Roll Plastic, 6 Culvert Pipes, 40 Sand Bags, 100 Stakes (metal), 3 Stake Driver, 40ft Construction Fencing, 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank, 1 Hand Tools												
4-740.2		1000		1000	8			1	1		7	2
Special Equipment: 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank OR Vacuum Truck, 100 Stakes (metal), 2 Stake Driver												
4-740.3								1			5	
Special Equipment: 1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools												

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

To the south side of the river, access from U.S. 101 exit at Ventura ave., turn east on Thompson then south on Figueroa to Ventura county. Fairgrounds and Surfers Park. Large parking area, walk west to Ventura river mouth. 100 yards SE and NW from the centerline of the Ventura River mouth

4-740 -A Site Strategy - Ventura River

4-740 -A

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Ventura

Thomas Guide Location: 491 A x 2

34.276

119.307

LAND ACCESS:

A. State Parks - Access to this site is controlled by California State Parks. Call the Channel Coast District Office at 805-585-1850 (between 0800 -1700). To notify State Parks of the need to respond in this area after hours, call 951-443-2944 (24 hour number).

B. The southeast side of the river mouth is accessible from the Shoreline Drive by means of a crane to lower equipment. Access to the beach and riverbed for vehicles and heavy equipment would require using heavy equipment to move k-rail and possible regrading of pathways. Beach access would be limited to lower tides.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area, Santa Barbara Harbor is the nearest full service civilian harbor. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco. From Seacliff south, contact Ventura Harbor for full service berthing, launching and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Access: Good equipment access (including heavy equipment) for dike construction, via Seaside Wilderness Park (APPROX.. 0.5 mile NW of river mouth). Good access for booming strategy from County Fair grounds (east of the mouth); excellent location for vac truck and staging.

Equipment: Clean Seas equipment at the UNOCAL tank farm, Ventura harbor; also Clean Seas Yard in Carpinteria, APPROX. 20 miles north.

Staging area: County Fair Grounds is large, adjacent to river, but has no facilities.??

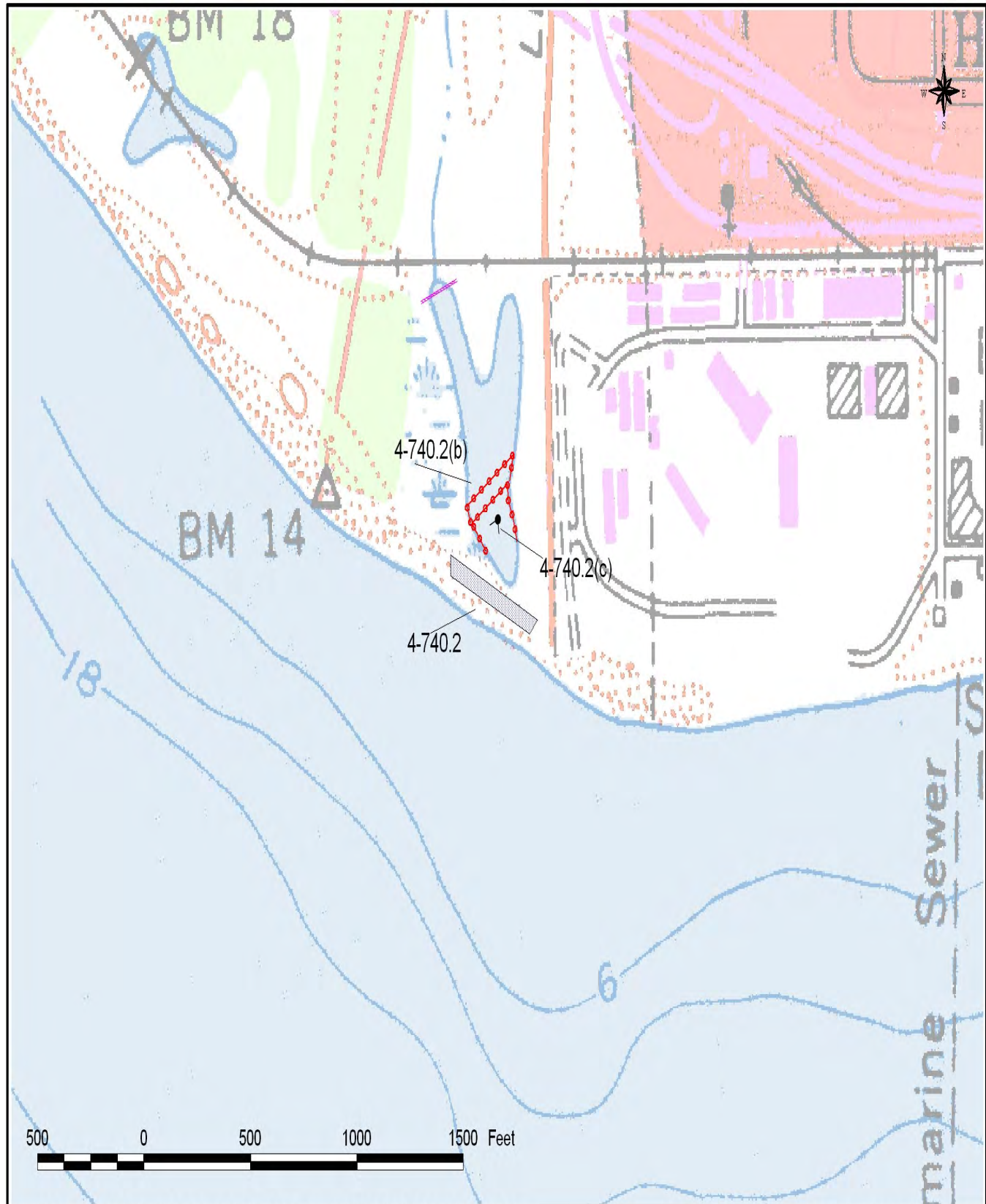
Potential command post sites: Ventura County Fair Grounds.

Closest airports are in Oxnard, Camarillo, and Santa Barbara.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
Site Number: 4-740 Site Name: VENTURA RIVER MOUTH

Ken Wilson (OSPR) & MSTC Seibel USCGR
Date: 14/SEPT/04

<ul style="list-style-type: none"> Harbor / Curtain Boom Swamp / River Boom all other boom types 	<ul style="list-style-type: none"> Sorbent boom Berm, Dam, or Dike Filter fence Boom tow 	<ul style="list-style-type: none"> SSS - Shoreside Skimming System SFS - Stationary Floating Skimmer SPS - Self Propelled Skimmer TSA - Towed Skimming Array
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4-743 -A Site Summary - San Buena Ventura State Beach**4-743 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Ventura**Thomas Guide Location:** 491 D x 3

34.250

119.270

SITE DESCRIPTION:

Last Page Update : 5/15/2008

Pierpont Bay SE 2.5 Mi. to just NW of the Ventura Harbor. San Buenaventura State Beach is a wide, fine to medium-grained sand beach (approx.. 2.5 miles long) with about eight rip-rap groins. The Ventura Harbor entrance is near the southern end and Ventura pier is near the NW end. There is a residential community in the southern half of site.

SEASONAL and SPECIAL RESOURCE CONCERNS

Spring and Summer for grunion spawning and for Western snowy plovers; All year for Pismo clams, shorebirds and seabirds, invertebrates in the rip-rap groins.

RESOURCES OF PRIMARY CONCERN

Shorebirds and Seabirds including Brown pelicans (Feb-Nov) and Western snowy plovers (year round).

California grunion (Apr-Aug), Surfperch.

Pismo clams (Jun-Sep) on sand beaches; various invertebrates associated with rip-rap groins.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Archaeology, History, & Museum Div.	California State Parks (Sacto Office)	(916) 653-8480
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
T	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura Sector Office	California State Parks	(805) 648-4127

ADDITIONAL SITE SUMMARY COMMENTS:**REFERENCES:**

1) RPI-ESI MAPS (SOUTHERN CALIF. ATLAS)

4-743 -A Site Strategy - San Buena Ventura State Beach**4-743 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Ventura**Thomas Guide Location:** 491 D x 3

34.250

119.270

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threats from inland and marine sources. The primary objectives are to exclude oil from saltmarsh, pre-clean debris, and clean oil from nearby beaches. A T/E bird nests in the wetland and T/E species forage in the lagoon. If oil enters the saltmarsh, animals and habitat can be injured by oil and response/cleanup activities. If oil gets in, minimize disturbance in wetland; avoid trampling oil into sediments; minimize collateral oiling; and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries and exits from shorelines and facilities in and around the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Onshore response strategies for protecting onshore and nearshore resources in this area are extremely limited. Whenever possible, attempt to collect and/or disperse oil in offshore locations before it reaches inshore areas or the shoreline.

Strategy 4-743.1 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unsoiled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers	Staff	
			Amount and Type		Num	Type and Gear			Num and Type	Deploy	Tending
4-743.1											

LOGISTICS**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From U.S. 101 in Ventura, take Seaward Ave., SW, to Harbor Blvd north to San Pedro St. left to San Buenaventura State beach headquarters. Pierpont Bay SE 2.5 Mi. to just NW of the Ventura Harbor.

LAND ACCESS:

A. State Parks - Access to this site is controlled by California State Parks. Call the Channel Coast District Office at 805-585-1850 (between 0800 -1700). To notify State Parks of the need to respond in this area after hours, call 951-443-2944 (24 hour number).

B. Access for foot traffic, ATV, 4-WD, and heavy equipment on beach. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available:

In the northern portion of the area, Santa Barbara Harbor is the nearest full service civilian harbor. Casitas Pier located just south of Carpinteria is operated by Venoco and may be used to load response vessels with permission from Venoco. From Seacliff south, contact Ventura Harbor for full service berthing, launching and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**LOGISTICS:**

Access: From the State Park Head Quarters (San Pedro St.)

Equipment: State Parks may have heavy equipment for pre-cleaning beaches

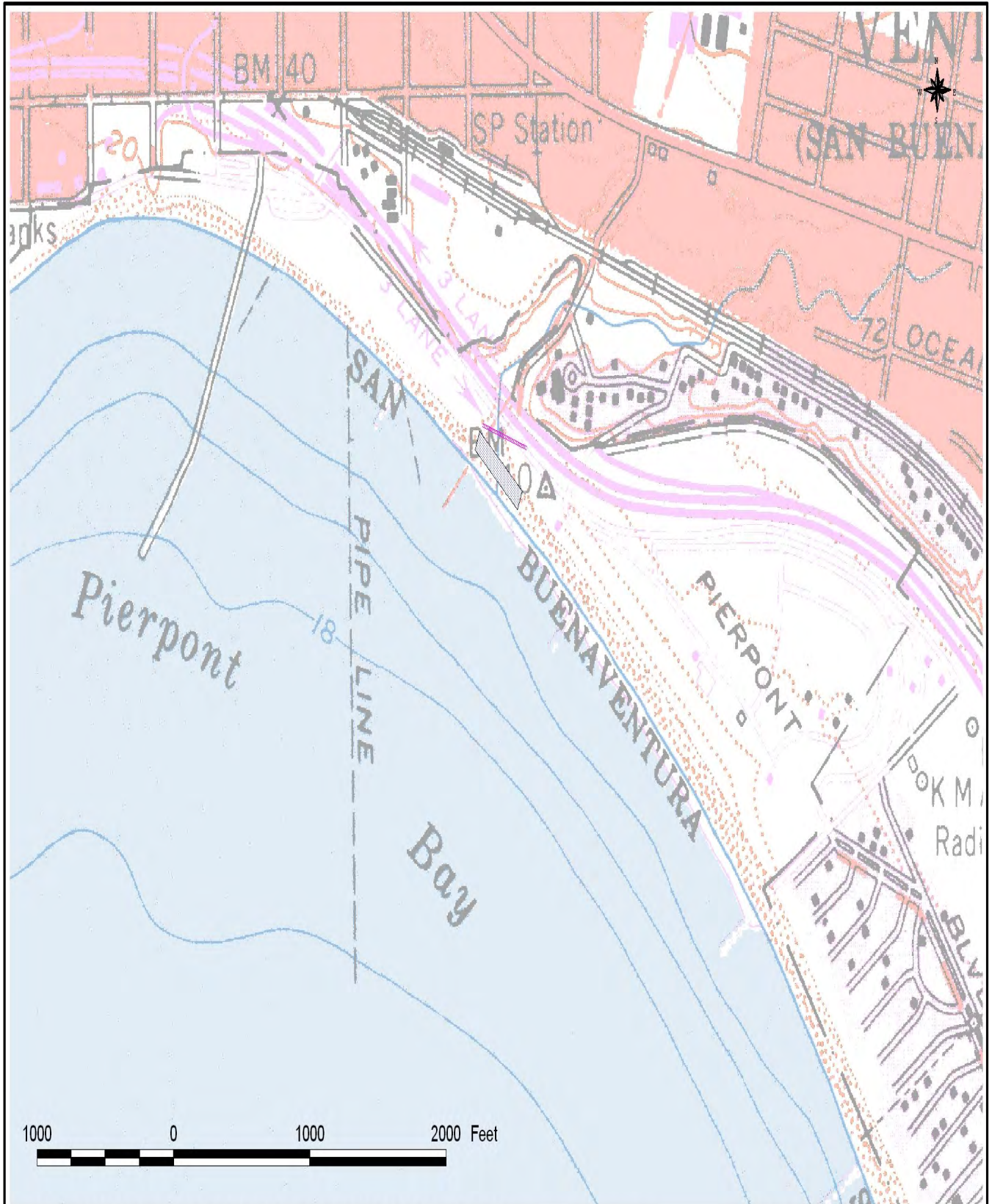
Potential Staging Area: State Parks HQ

Potential Field Command Post: State Parks HQ

Closest Airport: Oxnard AP

COMMUNICATIONS PROBLEMS:**ADDITIONAL OPERATIONAL COMMENTS:**

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site Number: 4-743 Site Name: SAN JON BARRANCA / SAN BUENAVENTURA STATE BEACH AREA

Ken Wilson (OSPR) & MSTC Seibel USCGR
 Date: 14/SEPT/04

○-○-○ Harbor / Curtain Boom	▨ Sorbent boom	⚓ SSS - Shoreside Skimming System
⊗⊗⊗⊗ Swamp / River Boom	▨ Berm, Dam, or Dike	⚓ SFS - Stationary Floating Skimmer
— all other boom types	⚓ Filter fence	⚓ SPS - Self Propelled Skimmer
	⚓ Boom tow	⚓ TSA - Towed Skimming Array

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4-747 -A Site Summary - Ventura Harbor**4-747 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard OE W**Thomas Guide Location:** 491 F-G x 5-7

34.245

119.270

SITE DESCRIPTION:

Last Page Update : 5/15/2008

Ventura harbor is bounded by jetties, to the south and north of the harbor mouth on Spinnaker Drive. Ventura Harbor's entrance faces west and is formed and protected by rip rap breakwaters. Marina Cove Beach (fine to medium-grained sand) lies just inside the south entrance. This is a large harbor primarily for recreational boaters. There are a number of residential developments located along the inner keys. Large waves may occur at the entrance.

SEASONAL and SPECIAL RESOURCE CONCERNS

Spring and Summer for California least terns foraging in the harbor area.

All year for high concentrations of seabirds (including Brown pelicans) and shorebirds littleneck clams (in the sandy beaches). Also various invertebrates (lobster, crabs, mussels, etc) in rip rap breakwaters.

RESOURCES OF PRIMARY CONCERN

California least terns (Apr-Sep), Brown pelicans (Feb-Nov), Gulls, and other seabirds, and waterfowl.

Harbor seals

California spiny lobster.

Common Pacific littleneck clam (Apr-Sep), Nuttall's cockle.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Headquarters (0800-1630)	Channel Islands National Park	(805) 658-5720
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	Ventura Harbormaster/Harbor Patrol	Ventura Harbor Port District	(805) 642-8618

ADDITIONAL SITE SUMMARY COMMENTS:**REFERENCES:**

1. RPI-ESI MAPS SOUTHERN CAL ATLAS
2. COASTAL INLET PROTECTION FOR OIL SPILL RESPONSE (DFG, MSRC)

REMARKS:

EXTENSIVE MARINA, THE ENTRANCE IS NOTED FOR LARGE WAVES.

4-747 -A Site Strategy - Ventura Harbor**4-747 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard OE W**Thomas Guide Location:** 491 F-G x 5-7

34.245

119.270

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Spill threats from in and outside of harbor. The primary objectives are to protect the harbor from wildlife and economic injuries by excluding oil. The harbor and breakwater provide important foraging and roosting habitat for T/E birds and valuable hard bottom habitat for fishes and invertebrates. It is critical to mount a rapid response to control, contain, and cleanup the spill before it affects wildlife and economic resources.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Harbor Safety Considerations - Beware of boat traffic, pedestrians, waves, and slips, trips and falls, and water hazards on docks, ramps, boats, breakwaters, and intertidal areas. Safe entries to, and exits from shorelines and facilities in and around the harbor are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Strategy 4-747.1 Objective: Harbor Booming - Prevent oil from entering and contaminating in-harbor channels, vessels, pilings, seawalls, rip-rap, shorelines, and sensitive species and habitats.

A. Harbor Entrance - Deploy exclusion booms across the harbor entrance. Use swamp boom backed by sorbent booms, if water depths are shallower, and harbor boom backed by sorbent booms, when water depths are greater. Place the booms in a configuration which forms an oil collection pocket which can be adjusted to accommodate changes in flow direction. Back exclusion booms with sorbent booms to minimize leakage.

B. Boom secondary channels as outlined above, to prevent collateral oiling should entrainment occur.

C. Oil Recovery - If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and/or other mechanical means for collecting oil. Collect oil with appropriate sorbents and/or skimmers (depending on oil type, harbor configuration, and debris.)

D. Monitor and Maintain Booms - Regular monitoring and maintenance of booms will be necessary (2 staff twice daily). Check for boom effectiveness and integrity, overwash, and leakage problems, boom positioning and security, and sorbent replacement as necessary.

Strategy 4-747.2 Objective: Sinking/Leaking Vessels in Harbor - Prevent oil from contaminating in-harbor channels, vessels, pilings, seawalls, rip-rap, shorelines, and sensitive species and habitats. Isolate and recover oil in specific in-harbor location.

Sinking /Leaking Vessels - When a specific vessel can be identified as a source of the spill, attempt to control the source of the contamination and, if possible, contact the owner. Sinking vessels should be stabilized and/or removed from the water. Surround the leaking vessel with skirted boom backed by sorbents to minimize oiling of channels, vessels, docks, rip-rap, seawalls, and pilings. Confine the oil using skirted boom (swamp boom or larger). If appropriate add successive encirclements of containment and sorbent booms. If the vessel has sunk or sinking is imminent, remove petroleum products and other contaminants, if time and safety permit(1). If this is not possible, plug vents to fuel tanks to reduce the volume of petroleum seepage until fuel tanks and other sources of petroleum can be drained or removed. To raise or keep the vessel afloat, accumulated water may be pumped from the inside of the vessel into the boomed area so long as contaminated waste and petroleum products are not entrained in the discharge. NOTE: Marine vessels may contain several sources of pollution including, but not limited to: gasoline; diesel fuel; and/or fuel oil; lubricating oils; hydraulic oils; battery acids; and miscellaneous household and shipboard chemicals (solvents, paints, detergents, and bilge cleaners); and waste from chemical and non-chemical toilets.

Strategy 4-747.3 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unholed debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
					Num	Type and Gear			Num and Type		Deploy	Tending
4-747.1	2000			1000	15		2	2	1		10	4
Special Equipment: 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank												
4-747.2	200			200							3	2
Special Equipment: 1 trash pump												
4-747.3								1			5	
Special Equipment: 1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools												

4-747 -A Site Strategy - Ventura Harbor

4-747 -A

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Oxnard OE W

Thomas Guide Location: 491 F-G x 5-7

34.245

119.270

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From U.S. 101 in Ventura, take Seaward Ave. exit and head west to Harbor Blvd. Turn left on Harbor Blvd. 1.25 miles to Schooner Dr. To reach the Harbor Master office turn right on Schooner Dr., then right on Anchors Way, then left to the office (1603 Anchors Way - Ventura Port District building). To reach the northern side of the harbor entrance from Harbor Blvd. Turn right onto Peninsula St. and left on Pier Point Blvd to Marina Park. To reach the southern side of the harbor entrance (and the Channel Isl. National Park headquarters), from Harbor Blvd, turn right on Spinnaker Drive and continue all the way to the end. Ventura harbor is bounded by jetties, to the south and north of the harbor mouth on Spinnaker Drive.

LAND ACCESS:

Although most areas subject to oiling are accessible primarily by boat, the north side of the outer harbor is accessible from the Marina Park. The public launch ramp and Harbor District offices are not gated and are located off Anchors Way.

Contact the Ventura Harbor District for keys to gated docks and marinas, berthing space, and for boat assistance. Virtually all of the shorelines, within the Harbor, are lined by rock rip-rap making access from the land difficult.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area (Seacliff to McGrath State Beach) contact Ventura Harbor for full service berthing, launching, and fueling. For sites south of CIH, Port of Hueneme and Channel Islands Harbor (CIH) both support full service berth, launching, and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

LOGISTICS:

Access: Marina Cove Beach & Harbor Masters Office

Equipment: Clean Seas Yard (Carpinteria)

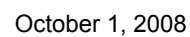
Potential Staging Area: Marina Cove Beach

Potential Field Command Post: Harbor Master's or Port District Office

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.



4-750 -A Site Summary - Santa Clara River Estuary**4-750 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard OE W**Thomas Guide Location:** 521 F-G x 1-2

34.228

119.262

SITE DESCRIPTION:**Last Page Update :** 5/15/2008

Santa Clara river estuary lies just south of the Ventura Harbor and just north of the park at McGrath State Beach . The 180 acres of lagoon and salt marsh habitats support a wide variety of plants, primarily pickleweed and jaumea, as well as habitat for numerous birds, fishes (including the steelhead trout and the tidewater goby) and other wildlife. The river mouth is normally closed off by a sand berm during summer months. North and south of the river mouth are extensive fine to medium-grained sand beaches. A wastewater treatment plant is located on the north side of the river mouth. This plant discharges approx. 9.5 million gallons of tertiary treated waste water per day into the estuary.

SEASONAL and SPECIAL RESOURCE CONCERNS

Whenever the estuary is open to the ocean (most likely from late fall through early summer, depending on rain fall) wetland biota is at risk, including Steelhead trout, Tidewater goby, and Salt marsh bird's beak.

Spring through Summer for birds nesting along local beaches; least terns (mid-april - mid sept) and Western snowy plovers (mar 1- sept).

RESOURCES OF PRIMARY CONCERN

The river mouth is designated as a state wildlife refuge and a natural reserve and is part of the McGrath State Beach.

California least terns (Apr-Sep) and Western snowy plovers (Apr-Sep) and numerous species of shorebirds, seabirds and waterfowl.

Rainbow trout (Steelhead), Tidewater goby (Aug-Nov), Surfperch.

Pismo clams (Jun-Sep).

Salt marsh bird's-beak.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Archaeology, History, & Museum Div.	California State Parks (Sacto Office)	(916) 653-8480
	Maurice Cardenas Fisheries Biologist	CDFG - (Freshwater Species)	(805) 640-1852
	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Stan Glowacki	NMFS - Steelhead	(562) 980-4061
T	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Mary Larson Fisheries Biologist	CDFG - (Steelhead)	(562) 342-7186
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	Dan Pfeifer Superintendent	Ventura Water Recl Facility	(805) 677-4114
	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
T	Ventura Sector Office	California State Parks	(805) 648-4127

ADDITIONAL SITE SUMMARY COMMENTS:

REFERENCES USED: 1. "CALIFORNIA COASTAL RESOURCE GUIDE" AND "CALIFORNIA COASTAL ACCESS GUIDE" BY THE CALIFORNIA COASTAL COMMISSION. 2. "INVENTORY OF COASTAL WETLANDS IN SANTA BARBARA COUNTY". INTERIM REPORT. BY: R. AMBROSE. 1993. 3. "STATUS OF FISHES OF SOUTHERN CALIFORNIA WITH RECOMMENDATIONS FOR PRESERVES TO MAINTAIN THEIR EXISTENCE". BY: CAMM SWIFT, T. HAGLUND, M. RUIZ. 1990. 4. PROPOSED "**WESTERN SNOWY PLOVER CRITICAL HABITAT". BY: USFWS - VENTURA FIELD OFFICE. 5. "COASTAL INLET PROTECTION STRATEGIES FOR OIL SPILL RESPONSE - VOLUME 1." RESEARCH PLANNING INC. 1993.

4-750 -A Site Strategy - Santa Clara River Estuary

4-750 -A

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Oxnard OE W

Thomas Guide Location: 521 F-G x 1-2

34.228

119.262

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threats from inland and marine sources. The primary objectives are to exclude oil from stream and lagoon, pre-clean debris, and clean oil from shorelines. The lagoon is habitat for Threatened/Endangered (T/E) fishes year around. T/E birds nest in the dunes and upper beaches south of the River from Mar-Sept. Animals and habitat can be injured by oil and response/cleanup activities unless responders minimize disturbance in lagoon, and associated vegetation; avoid disturbing the dunes and upper beaches; drive vehicles on wet sand; avoid trampling oil into sediments; and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries and exits from shorelines and facilities in and around the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Strategy 4-750.1 Objective: Berming - Prevent oil from contaminating the inlet when it is subject to tidal influence, low flows are present, and/or wave washover could occur if berm materials are present.

Berming - First, consult with resource trustees regarding wildlife issues before undertaking this activity. Build an earthen berm across the mouth of the inlet using onsite materials obtained from unvegetated areas below the high tide line to minimize damage to wildlife and habitat. Install under flow pipes in the berm to allow through flows and/or a spillway with a filter barrier to accommodate flow increases as weather conditions dictate. Cover the berm with sheet plastic to minimize erosion. Second, back the berm with swamp and sorbent booms to prevent contamination from entrainment, leakage and or washover. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor berm and associated features to maintain their integrity and effectiveness.

Strategy 4-750.2 Objective: Booming - Deploy exclusion booms across the inlet entrance to protect sensitive species and habitats when suitable berm building materials are unavailable, water flows are too great, or water depths are too great for berming.

Booming - Deploy exclusion booms across the inlet to minimize the likelihood of oiling the estuary. Place the booms in a configuration which forms an oil collection pocket which can be adjusted to accommodate changes in flow direction. Back exclusion booms with sorbent booms to minimize leakage. Line the shorelines and any side channels within the inlet to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor, adjust, and replace booms at least 2 x per day to maintain their integrity and effectiveness.

Strategy 4-750.3 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoiled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
					Num	Type and Gear			Num and Type		Deploy	Tending
4-750.1		1500		1000	6						10	2
Special Equipment: 1 Front End Loader, 1 Roll Plastic, 6 Culvert Pipes, 40 Sand Bags, 150 Stakes (metal), 3 Stake Driver, 40ft Construction Fencing, 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank, 1 Hand Tools												
4-750.2		1500		1000	7			1	1		10	2
Special Equipment: 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank OR Vacuum Truck, 100 Stakes (metal), 2 Stake Driver												
4-750.3											5	
Special Equipment: 1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools												

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From U.S. 101 in Ventura, take Seaward Ave. exit, SW to Harbor Boulevard south to McGrath State Beach. Access to river mouth via state beach. Access also from Spinnaker Drive, north of the river mouth (see map page 184-a). Santa Clara river estuary lies just south of the Ventura Harbor and just north of the park at McGrath State Beach.

4-750 -A Site Strategy - Santa Clara River Estuary**4-750 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard OE W**Thomas Guide Location:** 521 F-G x 1-2

34.228

119.262

LAND ACCESS:

A. State Parks - Access to this site is controlled by California State Parks. Call the Channel Coast District Office at 805-585-1850 (between 0800 -1700). To notify State Parks of the need to respond in this area after hours, call 916-358-1300 (24 hour number).

B. Access for foot traffic, ATV, 4-WD, and heavy equipment on beach. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking
and Services Available:

In the northern portion of the area (Seacliff to McGrath State Beach) contact Ventura Harbor for full service berthing, launching, and fueling. For sites south of CIH, Port of Hueneme and Channel Islands Harbor (CIH) both support full service berth, launching, and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Equipment: Clean Seas Yard in Carpinteria, Approx. 20 miles to the north.

Staging area: McGrath State Beach has rest rooms, electricity, water, and parking areas, however, no other facilities occur.

Potential command post sites:

Closest airports are in Oxnard and Santa Barbara

COMMUNICATIONS PROBLEMS:**ADDITIONAL OPERATIONAL COMMENTS:**

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.

1. MONITOR STATUS OF RIVER MOUTH.

2. RESPONSE ACTIVITIES SHOULD AVOID IMPACT TO FRAGILE DUNE VEGETATION AND TO LEAST TERN AND SNOWY PLOVER NESTING HABITATS (DUNE AND UPPER BEACH, RESPECTIVELY)

3. HIGH USE RECREATIONAL AREAS, ESPECIALLY DURING SUMMER.

4. KNOWN OIL PIPELINES: Unidentified at this time

5. KNOWN ARCHAEOLOGICAL SITES: Unidentified at this time

FOR ADDITIONAL INFORMATION:

1. ENVIRONMENTAL SENSITIVITY INDEX (ESI) MAPS: SOUTHERN CALIF ATLAS. RPI

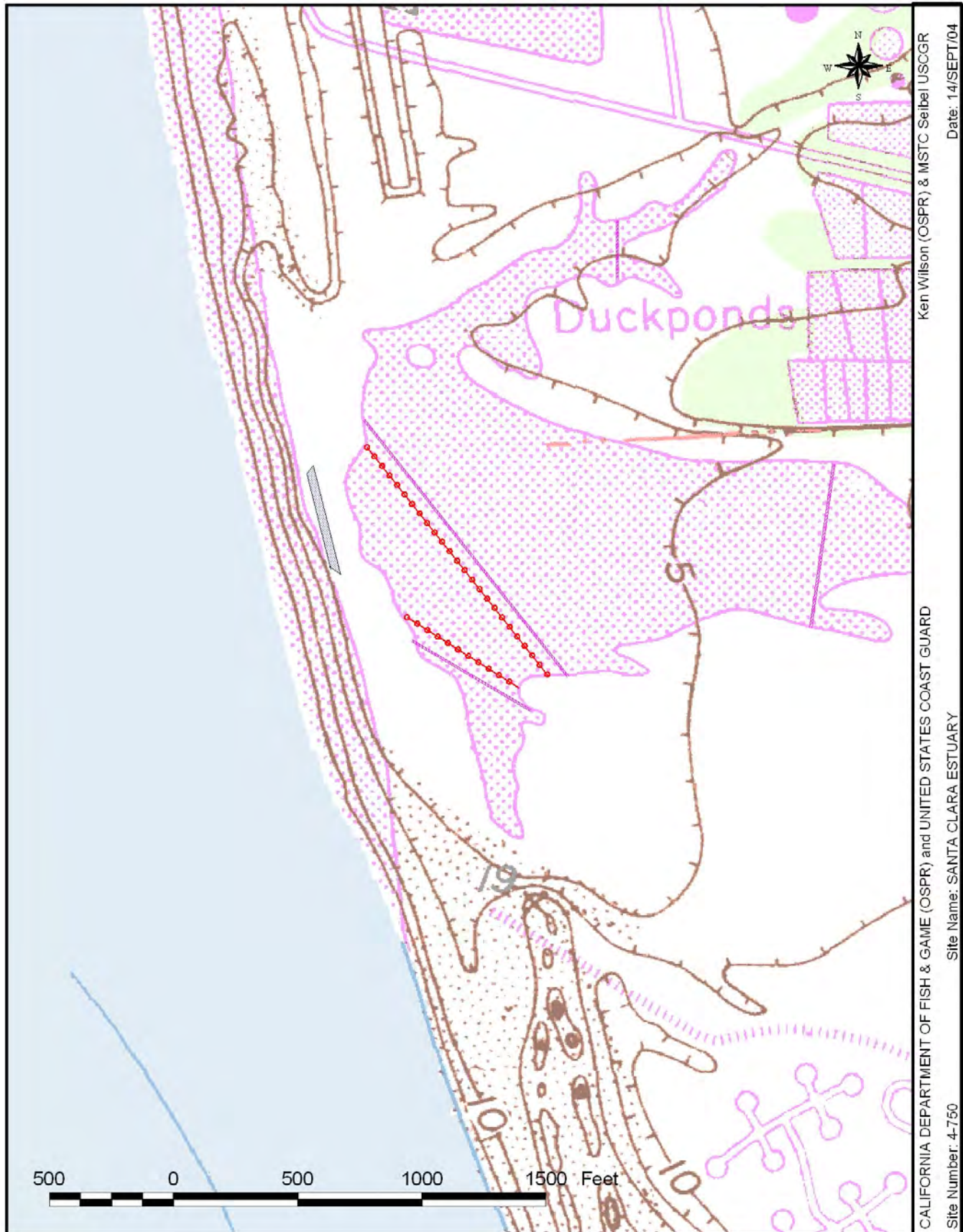
SPECIAL CONSIDERATIONS:

1. Federal and State Emergency permits may be required.

2. All cleanup operations in the general area should be conducted with the advice and cooperation of the Department of Fish and Game, the U.S. Fish and Wildlife Service and State Parks.

3. Air craft Restrictions: None known

4. Consider assistance of local authorities for closure of affected shorelines and traffic control.



<ul style="list-style-type: none"> Harbor / Curtain Boom Swamp / River Boom all other boom types 	<ul style="list-style-type: none"> Sorbent boom Berm, Dam, or Dike Filter fence Boom tow 	<ul style="list-style-type: none"> SSS - Shoreside Skimming System SFS - Stationary Floating Skimmer SPS - Self Propelled Skimmer TSA - Towed Skimming Array
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4-761 -A Site Summary - McGrath State Beach & McGrath Lake**4-761 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard OE W**Thomas Guide Location:** 521 G-H x 2-4

34.220

119.258

Last Page Update : 5/15/2008

SITE DESCRIPTION:

Mcgrath State Beach, the portion south of the Santa Clara river mouth, to the southern boundary, south of Mcgrath lake. This is a wide fine to medium-grained sand beach, backed by coastal dunes and is approx. 2 miles long. McGrath lake is a natural coastal dune lake which now serves as an agricultural drainage lake that is very rarely open to the ocean. An agricultural pump pumps water out of the lake to a "slough" area near the beach to maintain lake level and avoid flooding. This state beach is a high use recreational area (camping, water sports, etc). Berry Petroleum operates an oil field adjacent to the lake.

SEASONAL and SPECIAL RESOURCE CONCERNS

Spring and Summer for Least Terns and Snowy Plovers Nesting in Beach Sands.

All Year for Possibility of Pismo Clams.

RESOURCES OF PRIMARY CONCERN

Seabirds and Shorebirds Including Least Terns and Snowy Plovers

Pismo Clams (Possibly)

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Archaeology, History, & Museum Div.	California State Parks (Sacto Office)	(916) 653-8480
	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Main Office - 24hr	Berry Petroleum	(805) 390-3263
T	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura Sector Office	California State Parks	(805) 648-4127

ADDITIONAL SITE SUMMARY COMMENTS:

4-761 -A Site Strategy - McGrath State Beach & McGrath Lake**4-761 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard OE W**Thomas Guide Location:** 521 G-H x 2-4

34.220

119.258

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threats from inland and marine sources. The best response options for protecting this shoreline are to collect and/or disperse oil in offshore areas before it reaches inshore areas and to pre-clean debris from beaches. Should oiling occur, cleanup oiled shorelines. The dunes and upper beaches provide critical nesting habitat for Threatened/Endangered birds. These animals can be killed and habitat can be damaged by oil and response/cleanup activities unless responders avoid disturbing the dunes and upper beaches; drive vehicles on wet sand, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries and exits from shorelines and facilities in and around the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Onshore response strategies for protecting onshore and nearshore resources in this area are extremely limited. Whenever possible, attempt to collect and/or disperse oil in offshore locations before it reaches inshore areas or the shoreline.

Strategy 4-761.1 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoiled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers	Staff	
					Num	Type and Gear			Num and Type	Deploy	Tending
4-761.1										5	

Special Equipment: 1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From U.s. 101 in Ventura, Take Seaward Ave. Exit, SW, to Harbor Blvd, South to McGrath State Beach.

LAND ACCESS:

A. State Parks - Access to this site is controlled by California State Parks. Call the Channel Coast District Office at 805-585-1850 (between 0800 -1700). To notify State Parks of the need to respond in this area after hours, call 916-358-1300 (24 hour number).

B. Access for foot traffic, ATV, 4-WD, and heavy equipment on beach. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area (Seacliff to McGrath State Beach) contact Ventura Harbor for full service berthing, launching, and fueling. For sites south of CIH, Port of Hueneme and Channel Islands Harbor (CIH) both support full service berth, launching, and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

1. Before using excavating equipment on berm, sand dunes, and/or upper beach or breaching the natural berm of the estuary, consider that such activities will disturb nesting grounds, vegetation, and possibly aquatic resources. Consult with DFG and USFWS prior to constructing a dike or breaching the berm, for guidance on how to lessen impacts to natural resources. Federal and State Emergency permits may be required: listed in ACP.

2. All cleanup operations in the general area should be conducted with the advice and cooperation of the DFG, the U.S. Fish and Wildlife Service

* Designated State Park Archaeologist and the California Department of Fish and Game must be consulted before the staging of motorized equipment and heavy traffic are permitted.

COMMUNICATIONS PROBLEMS:**ADDITIONAL OPERATIONAL COMMENTS:**

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site

4-761 -A Site Strategy - McGrath State Beach & McGrath Lake

4-761 -A

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Oxnard OE W

Thomas Guide Location: 521 G-H x 2-4

34.220

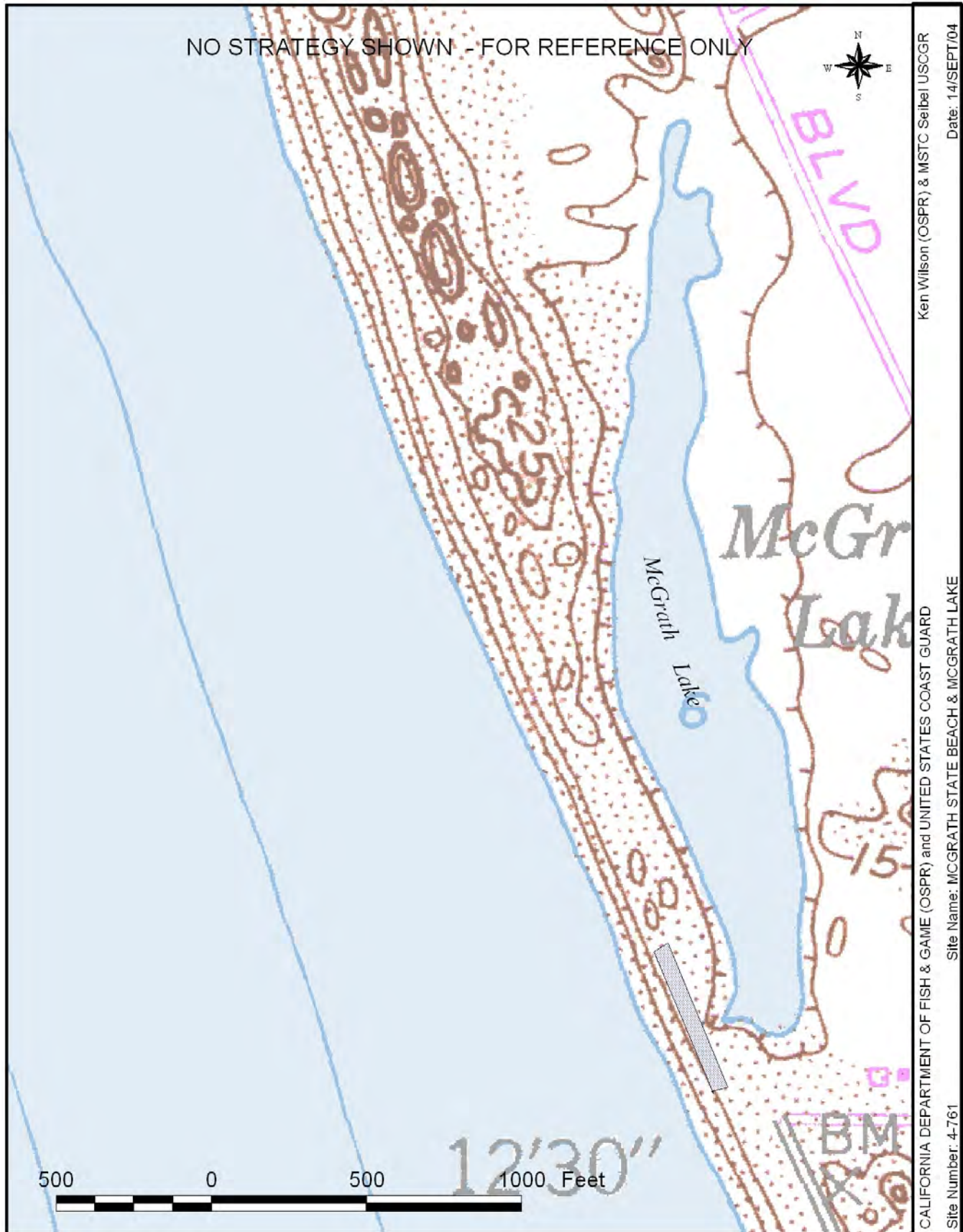
119.258

Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.

1. Monitor Status of "Slough" Area and McGrath Lake for Contact with Ocean. Slough Will Be "Open" Most of the Year - Depending on Rainfall and Irrigation Practices; However, the Lake Is Usually Closed off by a Well Developed Sand Berm at its Southern End. This Is a Popular Recreational Beach.
2. Protect Fragile Dune, Riparian and Aquatic Vegetation Whenever Possible

FOR ADDITIONAL INFORMATION AND REFERENCE:

1. Environmental Sensitivity Index (Esi) Maps: Southern Calif Atlas. RPI



<ul style="list-style-type: none"> Harbor / Curtain Boom Swamp / River Boom all other boom types 	<ul style="list-style-type: none"> Sorbent boom Berm, Dam, or Dike Filter fence Boom tow 	<ul style="list-style-type: none"> SSS - Shoreside Skimming System SFS - Stationary Floating Skimmer SPS - Self Propelled Skimmer TSA - Towed Skimming Array
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4-765 -A Site Summary - Mandalay State Beach**4-765 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:**

34.196

119.247

SITE DESCRIPTION:

Last Page Update : 5/15/2008

This is a fine to medium-grained sand beach, about 1 mile long, starting just south of the Mandalay generating station and extending south the end of west 5th street (see map next page). The beach is backed by low dunes with sparse vegetation.

SEASONAL and SPECIAL RESOURCE CONCERNS

Spring and summer for grunion spawning along the beach. Possibly Snowy plovers nesting in spring and summer.

RESOURCES OF PRIMARY CONCERN

Snowy plovers may nest along upper beach (near wrack line) in spring and summer.

Grunion spawning on the sand beach during night time runs in spring and summer (consult local tide book for dates and times of predicted grunion runs).

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
	Pam Gallo Operations supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 654-3934
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Mandalay Power Plant (24hr)	Reliant Energy	(805) 984-5201
	Mandalay Separation Plant (Platforms Gina & Gilda)	DCOR	(805) 585-1049
	OES	Ventura County	(805) 654-2551
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	Oxnard Coastal Planning	City of Oxnard	(805) 385-7858
T	Rip Reed Maintenance supervisor	Ventura Co. Parks - Seaside Wilderness	(805) 525-8610
	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura Sector Office	California State Parks	(805) 648-4127
	Watershed Protection District	Ventura County	(805) 654-2001

ADDITIONAL SITE SUMMARY COMMENTS:**REFERENCES:**

1. RPI-ESI MAPS SOUTHERN CAL ATLAS

4-765 -A Site Strategy - Mandalay State Beach

4-765 -A

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Oxnard

Thomas Guide Location:

34.196

119.247

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threat from marine source. The best response options for protecting this shoreline are to collect and/or disperse oil in offshore areas before it reaches inshore areas and to pre-clean debris from beaches. Should oiling occur, cleanup oiled shorelines. The dunes and upper beaches provide critical nesting habitat for Threatened/Endangered birds. These animals can be killed and habitat can be damaged by oil and response/cleanup activities unless responders avoid disturbing the dunes and upper beaches; drive vehicles on wet sand, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries and exits from shorelines and facilities in and around the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. YOU MAY GET STRANDED ON THE BEACH - Plan accordingly.

SITE STRATEGIES

Onshore response strategies for protecting onshore and nearshore resources in this area are extremely limited. Whenever possible, attempt to collect and/or disperse oil in offshore locations before it reaches inshore areas or the shoreline.

Strategy 4-765.1 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoiled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers	Staff	
					Num	Type and Gear			Num and Type	Deploy	Tending
4-765.1										5	

Special Equipment: 1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From us 101 in Ventura, take the Victoria ave. Exit south to West 5th Street west, to the end - this puts you at the south end of the beach. There is parking along the residential roads (Mandalay Beach Road and West 5th street) and access to the beach for 4-w drive and heavy equipment.

LAND ACCESS:

A. State Parks - Access to this site is controlled by California State Parks. Call the Channel Coast District Office at 805-585-1850 (between 0800 -1700). To notify State Parks of the need to respond in this area after hours, call 951-443-2944 (24 hour number).

B. Access for foot traffic, ATV, 4-WD, and heavy equipment on beach. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area (Seacliff to McGrath State Beach) contact Ventura Harbor for full service berthing, launching, and fueling. For sites south of CIH, Port of Hueneme and Channel Islands Harbor (CIH) both support full service berth, launching, and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Access: Easy access for heavy equipment from the south end of the site at the end of West 5th Street.

Staging area and Field Command Post: The end of West 5th Street or at the Reliant Energy Mandalay Generating Station or the DCOR Mandalay Separation Plant for Platforms Gina and Gilda (Production Office - 805-585-1049) .

Equipment: Clean Seas Yard in Carpinteria (approx. 30 miles north).

Closest Airports: Oxnard or Camarillo.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species. Property managed by Ventura County under agreement with CA Parks and Recreation.



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4-769 -A Site Summary - Oxnard Beach**4-769 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 521, 551, 552

34.183

119.239

SITE DESCRIPTION:

Last Page Update : 5/15/2008

This is a wide, fine to medium-grained sand beach, approximately 3 miles long, extending south of W. Fifth Street to the north breakwater of Channel Islands Harbor. It includes Hollywood Beach and Hollywood-by-the-Sea. This site is backed by residences for the entire length except for a mile long section of dunes seaward of Oxnard Beach Park.

SEASONAL and SPECIAL RESOURCE CONCERNS

Spring and summer for grunion spawning along the beach.

RESOURCES OF PRIMARY CONCERN

Least Terns and Snowy Plovers

Grunion spawning on the sand beach during night time runs in spring and summer (consult local tide book for dates and times of predicted grunion runs).

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
T	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	OES	Ventura County	(805) 654-2551
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
T	Oxnard Coastal Planning	City of Oxnard	(805) 385-7858
	SURCOM (24-hr)	California State Parks (Dispatch)	(951) 443-2944
	Ventura Sector Office	California State Parks	(805) 648-4127

ADDITIONAL SITE SUMMARY COMMENTS:

4-769 -A Site Strategy - Oxnard Beach**4-769 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 521, 551, 552

34.183

119.239

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threat from marine source. The best response options for protecting this shoreline are to collect and/or disperse oil in offshore areas before it reaches inshore areas and to pre-clean debris from beaches. Should oiling occur, cleanup oiled shorelines. The dunes and upper beaches provide critical nesting habitat for Threatened/Endangered birds. These animals can be killed and habitat can be damaged by oil and response/cleanup activities unless responders avoid disturbing the dunes and upper beaches; drive vehicles on wet sand, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries to, and exits from shorelines and facilities in and around the the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Onshore response strategies for protecting onshore and nearshore resources in this area are extremely limited. Whenever possible, attempt to collect and/or disperse oil in offshore locations before it reaches inshore areas or the shoreline.

Strategy 4-769.1 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoiled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems Num Type and Gear	Boom Boats	Skiffs	Skimmers Num and Type	Staff	
									Deploy	Tending
4-769.1									5	

Special Equipment: 1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Hwy 101 in Ventura, take the Victoria Ave. Exit south to Channel Islands Blvd west to Mandalay Beach Road and follow signs to the state beach.

LAND ACCESS:

Access for foot traffic, ATV, 4-WD, and heavy equipment on beach from the north end of the site at Beach Way. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

Limitations: depth, obstruction
Launching, Loading, Docking
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Staging area and Field Command Post:
Equipment: Clean Seas Yard in Carpinteria (appx 35 miles north).
Closest Airports: Oxnard or Camarillo.

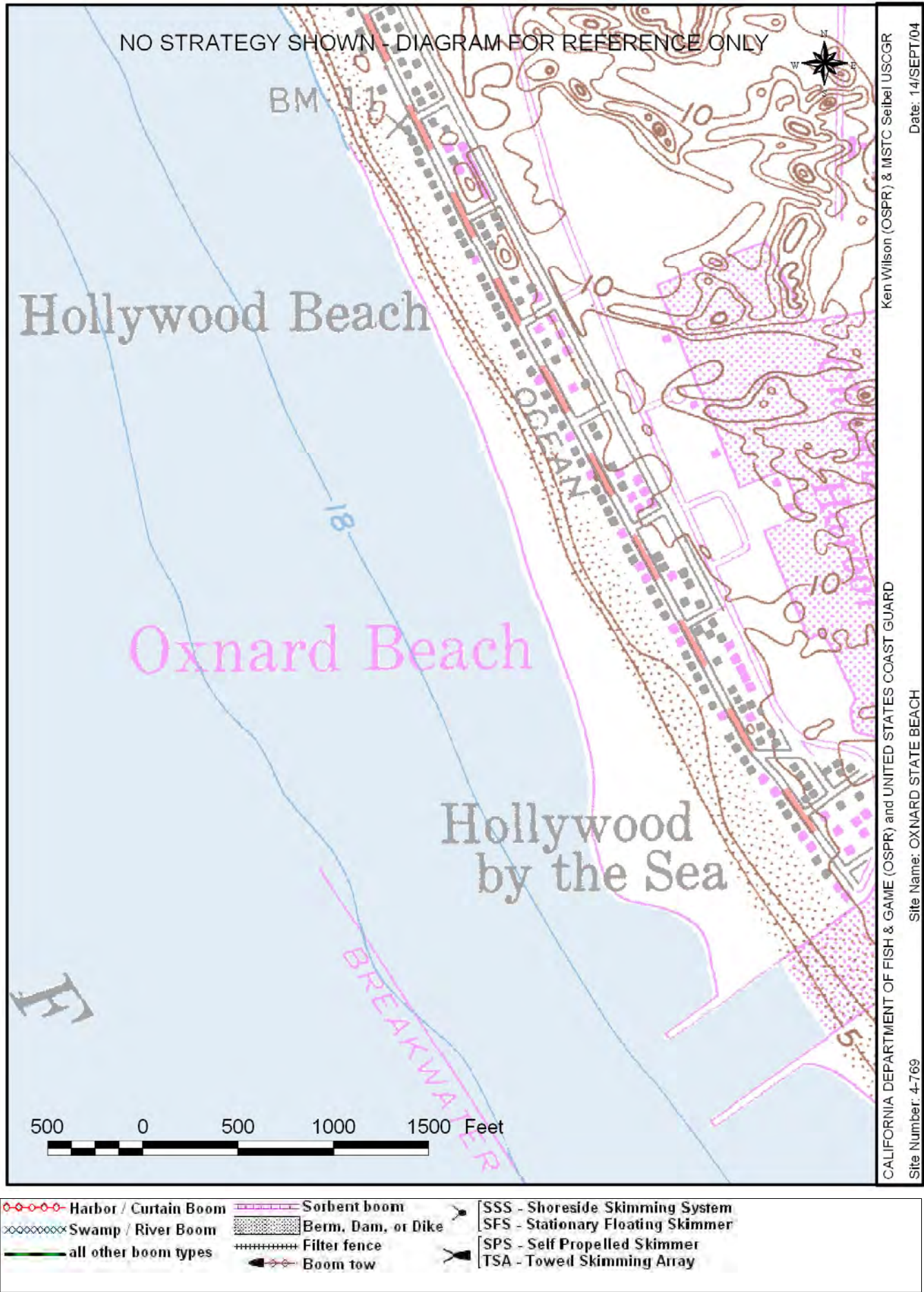
COMMUNICATIONS PROBLEMS:**ADDITIONAL OPERATIONAL COMMENTS:**

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.

THE CITY OF OXNARD OPERATES MANAGES THIS PROPERTY UNDER AGREEMENT WITH THE CALIF. DEPARTMENT OF PARKS AND RECREATION.

REFERENCES:

1. RPI-ESI MAPS SOUTHERN CAL ATLAS



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4-775 -A Site Summary - Channel Island Harbor (CIH)**4-775 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 552 A-B x 5

34.149

119.208

SITE DESCRIPTION:

Last Page Update : 5/15/2008

The Channel Island Harbor (CIH) entrance faces southwest and is formed and protected by rip-rap jetties on the north and south of the opening. A rip-rap breakwater approx. 2,200 feet in length, lies about 1000 feet offshore of the jetties. The CIH provides services and slips for 2600 recreational (98%) and commercial vessels (2%). Shorelines within CIH are protected by rip-rap. Concrete seawalls line the shoreline w/in Mandalay Bay. There is a small boat launch ramp and parking lot off Victoria Ave. Just south of Channel Island blvd. Large waves may occur at the entrance. There are two small sand beaches within the harbor off Victoria Ave. The beach nearest the entrance is a swimming beach while the up-channel beach is a staging area.

Occurring immediately up coast (northwest) of the harbor entrance are Hollywood-by-the- Sea and Hollywood beaches. They are fine/med grain sand grain beaches which are backed by row houses. Down coast of the entrance is silver strand beach a fine/med grain sand beach also backed by row houses.

SEASONAL and SPECIAL RESOURCE CONCERNS

A: Spring and summer least terns and brown pelicans often forage in harbor area. Least terns and western snowy plovers nest in and above wracking off Mandalay Beach from Mar 15 to Sept 1. Spring and summer grunion spawning on beaches adjacent to harbor during nighttime at highest spring tides.

B: All year for seabirds (including brown pelicans and least terns), sea lions, and shorebirds. Invertebrates including Pismo clams occur on ocean facing sand beaches. Intertidal and sub-tidal rip-rap areas within and outside of harbor support other invertebrates (including barnacles, crabs, mussels, lobsters, etc.); seaweed; and fishes.

RESOURCES OF PRIMARY CONCERN

Least terns, western snowy plovers, brown pelicans; seabirds; waterfowl

Marine Mammals

Grunion spawning on beaches, clams on sand beaches, rock dwelling invertebrates on inter- and subtidal rip-rap, floating docks, seawalls, and pilings.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
T	Channel Islands Harbor Patrol (24hr)	Channel Islands Harbor Patrol	(805) 382-3000
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Marine Safety Detachment - Santa Barbara	USCG	(805) 962-7430
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	Oxnard Fire Dept (24hr)	City of Oxnard	(805) 385-7712

ADDITIONAL SITE SUMMARY COMMENTS:**REFERENCES:**

1. RPI-ESI MAPS SOUTHERN CALIFORNIA ATLAS: PAGE: SC-23
2. COASTAL INLET PROTECTION FOR OIL SPILL RESPONSE (DFG, MSRC)
3. U.SGS. MAP: OXNARD QUAD (Photorev. 1967); THOMAS GUIDE: PAGE 552

4-775 -A Site Strategy - Channel Island Harbor (CIH)**4-775 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 552 A-B x 5

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CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Spill threats from in and outside of harbor. The primary objectives are to protect the harbor from wildlife and economic injuries by excluding oil. The harbor and breakwater provide important foraging and roosting habitat for T/E birds and valuable hard bottom habitat for fishes and invertebrates. It is critical to mount a rapid response to control, contain, and cleanup the spill before it affects wildlife and economic resources.

HAZARDS and RESTRICTIONS:

A. Harbor Safety Considerations - Beware of boat traffic, pedestrians, waves, and slips, trips and falls, and water hazards on docks, ramps, boats, breakwaters, and intertidal areas.

B. Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries and exits from shorelines and facilities in and around the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Strategy 4-775.1 Objective: Harbor Booming - Prevent oil from entering and contaminating in-harbor channels, vessels, pilings, seawalls, rip-rap, shorelines, and sensitive species and habitats.

A. Harbor Entrance - Deploy exclusion booms across the harbor entrance. Use swamp boom backed by sorbent booms, if water depths are shallower, and harbor boom backed by sorbent booms, when water depths are greater. Place the booms in a configuration which forms an oil collection pocket which can be adjusted to accommodate changes in flow direction. Back exclusion booms with sorbent booms to minimize leakage.

B. Boom secondary channels as outlined above, to prevent collateral oiling should entrainment occur.

C. Oil Recovery - If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Collect oil with appropriate sorbents and or skimmers (depending on oil type, harbor configuration, and debris.)

D. Monitor and Maintain Booms - Regular monitoring and maintenance of booms will be necessary (2 staff twice daily). Check for boom effectiveness and integrity, overwash, and leakage problems, boom positioning and security, and sorbent replacement as necessary.

Strategy 4-775.2 Objective: Sinking/Leaking Vessels in Harbor - Prevent oil from contaminating in-harbor channels, vessels, pilings, seawalls, rip-rap, shorelines, and sensitive species and habitats. Isolate and recover oil in specific in-harbor location.

Sinking /Leaking Vessels - When a specific vessel can be identified as a source of the spill, attempt to control the source of the contamination and, if possible, contact the owner. Sinking vessels should be stabilized and/or removed from the water. Surround the leaking vessel with skirted boom backed by sorbents to minimize oiling of channels, vessels, docks, rip-rap, seawalls, and pilings. Confine the oil using skirted boom (swamp boom or larger). If appropriate add successive encirclements of containment and sorbent booms. If the vessel has sunk or sinking is imminent, remove petroleum products and other contaminants, if time and safety permit(1). If this is not possible, plug vents to fuel tanks to reduce the volume of petroleum seepage until fuel tanks and other sources of petroleum can be drained or removed. To raise or keep the vessel afloat, accumulated water may be pumped from the inside of the vessel into the boomed area so long as contaminated waste and petroleum products are not entrained in the discharge. NOTE: Marine vessels may contain several sources of pollution including, but not limited to: gasoline; diesel fuel; and/or fuel oil; lubricating oils; hydraulic oils; battery acids; and miscellaneous household and shipboard chemicals (solvents, paints, detergents, and bilge cleaners); and waste from chemical and non-chemical toilets.

Strategy 4-775.3 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoiled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
					Num	Type and Gear			Num and Type		Deploy	Tend.ing
4-775.1	3000			1500	8		2	2	1		6	4
Special Equipment: 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank												
4-775.2	200			200							3	2
Special Equipment: 1 trash pump												
4-775.3								2			5	
Special Equipment: 1- Vehicle (4wd), 100 Trash Bags, 1 Hand Tools												

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

4-775 -A Site Strategy - Channel Island Harbor (CIH)**4-775 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 552 A-B x 5

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From Hwy 101 in Ventura, take Victoria Ave. South toward ocean. Harbormaster's office: 3900 Pelican Way, approximately 0.8 south of Channel Islands Blvd. North side of harbor entrance (Hollywood beach area): take Victoria Ave. South to Channel Islands Blvd. West toward beach; turn south on ocean to end. South side of harbor entrance: take Victoria Ave. South toward ocean and turn right onto San Nicolas Ave. Mandalay Bay, located north of Channel Is. Blvd. is under the jurisdiction of the city of Oxnard.

LAND ACCESS:

Access for foot traffic, ATV, 4-WD, and heavy equipment on beach. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Small Boat Launch ramp at north end of Port. Contact Harbormaster's office for berthing instructions.

Equipment: In-Harbor Spills: U.S. Coast Guard, CIH, and Spill Response Contractor; Ocean Spills: Clean Seas (Carpinteria); MSRC (Port Hueneme)

Staging Areas: North Side: (Out-of- harbor): Hollywood-By-The-Sea Beach; In-Harbor: Multiple areas in consultation with Harbormaster's Office; South Side: (Out-of-Harbor) - Silver Strand Beach

Potential Field Command Post: U.S. Coast Guard office and Harbormaster's Office @ CIH.

Closest Airports: Oxnard AP - Airport Mgr.

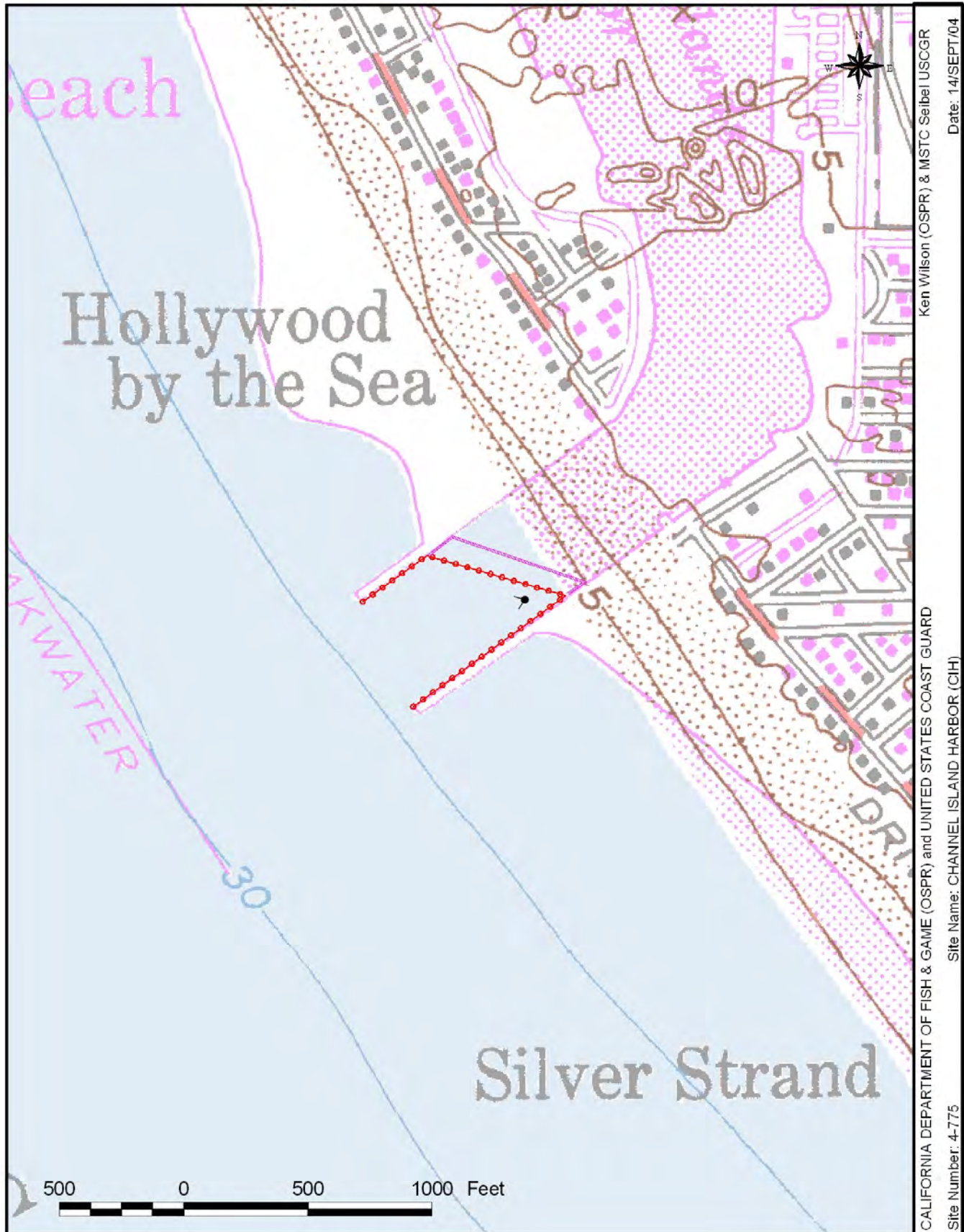
805-382-3024 (8-5pm); 24 hr 382-3022 (duty office) 947-6804 (cell)

Camarillo AP - Airport Mgr. (8-5pm)

805-388-4246 (4/99); 24 hr 388-4497 (duty office) 947-6803 (cell)

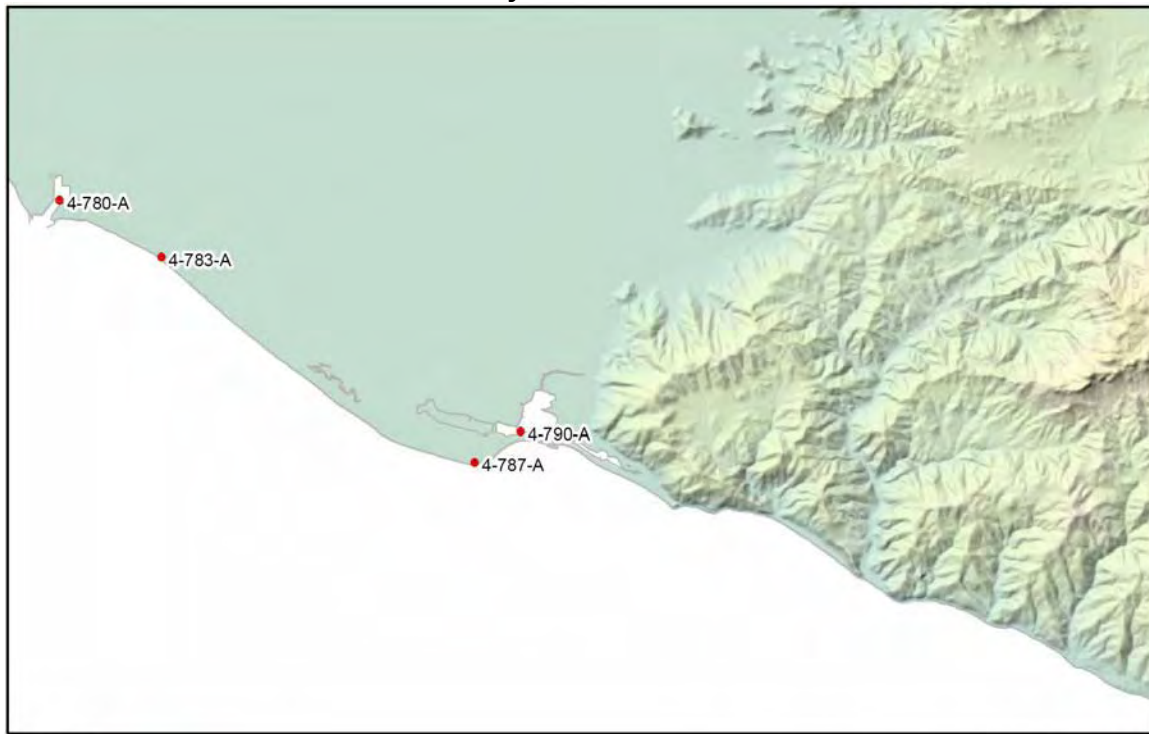
COMMUNICATIONS PROBLEMS:**ADDITIONAL OPERATIONAL COMMENTS:**

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.



<ul style="list-style-type: none"> Harbor / Curtain Boom Swamp / River Boom all other boom types 	<ul style="list-style-type: none"> Sorbent boom Berm, Dam, or Dike Filter fence Boom tow 	<ul style="list-style-type: none"> SSS - Shoreside Skimming System SFS - Stationary Floating Skimmer SPS - Self Propelled Skimmer TSA - Towed Skimming Array
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Ventura County South – Sensitive Sites



• Sensitive Site

Source: K. Wilson, J. Curtis
0 1.5 3 6
Miles

Site #	Site Name	Page #
4-780-A	Port of Hueneme (POH)	71
4-783-A	Ormond Beach Wetlands and State Beach	75
4-787-A	Laguna Point	79
4-790-A	Mugu Lagoon	83

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4-780 -A Site Summary - Port of Hueneme (POH)**4-780 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 552 C-D x 6-7

34.149

119.208

Last Page Update : 5/15/2008

SITE DESCRIPTION:

Port of Hueneme's (POH) entrance faces southwest. It is protected by rip-rap jetties on the north and south of the opening. POH is the only deep water port between LA/LB Harbors and SF Bay. The Hueneme submarine canyon occurs immediately off of the port entrance; the 120 foot depth profile is only 900 feet seaward of the jetties. The POH is used primarily by the US Navy and by commercial shipping interests, but has limited berthing for commercial and sport fishing vessels. Shorelines within the port are protected by a combination of boulder rip-rap and concrete seawalls. Wharves are supported by concrete pilings. There is a navy launch ramp and parking lot at the extreme north end of the harbor.

Occurring immediately up coast of the port entrance are La Janelle Park and Silver Strand Beach, a fine/med grain sand grain beach 0.8 mile long, which is backed by row houses. Down coast of the entrance are the Port Hueneme Beach Park with a fine/med grain sand beach and a recreational fishing pier. The cities of Port Hueneme and Oxnard have a marine sewage discharge seaward of the pier at the 60 foot depth profile. Private mariculture facilities and a desalination plant (operated by the US Navy) are located on the south side of the harbor entrance.

SEASONAL and SPECIAL RESOURCE CONCERNS

Spring and summer least terns and brown pelicans may forage in harbor area. Least terns and western snowy plovers nest on dunes in and above wrackline approx. One mile downcoast of fishing pier from mar 15 to sept 1. Spring and summer grunion spawning on adjacent beaches during nighttime at highest spring tides.

All year for seabirds (including brown pelicans,) sea lions, and shorebirds. Invertebrates (including pismo clams) may occur on ocean facing sand beaches. Intertidal and sub-tidal rip-rap areas within and outside of port support other invertebrates (including barnacles, crabs, mussels, lobsters, etc.); seaweed; and fishes

RESOURCES OF PRIMARY CONCERN

Least terns, western snowy plovers, brown pelicans; seabirds; waterfowl

Grunion spawning on beaches; clams on sand beaches, rock dwelling invertebrates on inter- and subtidal rip-rap, seawalls, and pilings.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

One cultural, historical, and archeological site is known to exist at the Naval Station Ventura County, however, the location of this site must be ascertained by, first, contacting Ron Dow, Director of Environmental Division (805) 989-3804.

Information may also be found at the Native American Heritage Commission at (916) 653-4082, and State Office of Historical Preservation (916) 653-6624 and the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
	Jon BelCher Captain	Tractide Marine Fuel Terminal & Env. Services	(805) 488-4466
	Rodrick Conde Safety Officer (24hr)	Stellar Biotec Inc.	(805) 390-7755
	Ron Dow Director of Env. Division	Naval Base Ventura County	(805) 989-3804
	Vincent Foley (24hr)	Stellar Biotec Inc.	(541) 948-7520
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Marine Safety Detachment - Santa Barbara	USCG	(805) 962-7430
	Frank Oaks	Stellar Biotec Inc.	(805) 488-2147
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	Oxnard Harbor District		(805) 488-3677
	Martin Ruane Biologist	Naval Base Ventura County (Birds and other T/E sp	(805) 989-3808
	Lloyd Sewell Operator	US Navy (Hazardous Waste Facility)	(805) 982-3677
	Wharfinger (24hrs)	Oxnard Harbor District	(805) 488-4615
	Robert Zaragosa	Naval Base Ventura County - Pt Mugu (Spill Progra	(805) 982-6579

ADDITIONAL SITE SUMMARY COMMENTS:**REFERENCES:**

1. RPI-ESI maps Southern California Atlas page: SC-23
2. Coastal Inlet Protection for Oil Spill Response (DFG, MSRC
3. USGS map: Oxnard (photorev. 1967); Tomas Guide Page 552

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Oxnard

Thomas Guide Location: 552 C-D x 6-7

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CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Spill threats from in and outside of harbor. The primary objectives are to protect the harbor from wildlife and economic injuries by excluding oil. The harbor and breakwater provide important foraging and roosting habitat for T/E birds and valuable hard bottom habitat for fishes and invertebrates. It is critical to mount a rapid response to control, contain, and cleanup the spill before it affects wildlife and economic resources.

HAZARDS and RESTRICTIONS:

Harbor Safety Considerations - Beware of boat traffic, pedestrians, waves, and slips, trips and falls, and water hazards on docks, ramps, boats, breakwaters, and intertidal areas. Safe entries to, and exits from shorelines and facilities in and around the harbor are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Strategy 4-780.1 Objective: Harbor Booming - Prevent oil from entering and contaminating in-harbor channels, vessels, pilings, seawalls, rip-rap, shorelines, and sensitive species and habitats.

A. Harbor Entrance - Deploy exclusion booms across the harbor entrance. Use swamp boom backed by sorbent booms, if water depths are shallower, and harbor boom backed by sorbent booms, when water depths are greater. Place the booms in a configuration which forms an oil collection pocket which can be adjusted to accommodate changes in flow direction. Back exclusion booms with sorbent booms to minimize leakage.

B. Boom secondary channels as outlined above, to prevent collateral oiling should entrainment occur.

C. Oil Recovery - If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Collect oil with appropriate sorbents and or skimmers (depending on oil type, harbor configuration, and debris.)

D. Monitor and Maintain Booms - Regular monitoring and maintenance of booms will be necessary (2 staff twice daily). Check for boom effectiveness and integrity, overwash, and leakage problems, boom positioning and security, and sorbent replacement as necessary.

Strategy 4-780.2 Objective: Sinking/Leaking Vessels in Harbor - Prevent oil from contaminating in-harbor channels, vessels, pilings, seawalls, rip-rap, shorelines, and sensitive species and habitats. Isolate and recover oil in specific in-harbor location.

Sinking /Leaking Vessels - When a specific vessel can be identified as a source of the spill, attempt to control the source of the contamination and, if possible, contact the owner. Sinking vessels should be stabilized and/or removed from the water. Surround the leaking vessel with skirted boom backed by sorbents to minimize oiling of channels, vessels, docks, rip-rap, seawalls, and pilings. Confine the oil using skirted boom (swamp boom or larger). If appropriate add successive encirclements of containment and sorbent booms. If the vessel has sunk or sinking is imminent, remove petroleum products and other contaminants, if time and safety permit(1). If this is not possible, plug vents to fuel tanks to reduce the volume of petroleum seepage until fuel tanks and other sources of petroleum can be drained or removed. To raise or keep the vessel afloat, accumulated water may be pumped from the inside of the vessel into the boomed area so long as contaminated waste and petroleum products are not entrained in the discharge. NOTE: Marine vessels may contain several sources of pollution including, but not limited to: gasoline; diesel fuel; and/or fuel oil; lubricating oils; hydraulic oils; battery acids; and miscellaneous household and shipboard chemicals (solvents, paints, detergents, and bilge cleaners); and waste from chemical and non-chemical toilets.

Strategy 4-780.3 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
			Amount and Type		Num	Type and Gear			Num and Type		Deploy	Tending
4-780.1	2400			1000	8		2	2	1		6	4
Special Equipment: 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank												
4-780.2	200			200							3	2
Special Equipment: 1 Trash Pump												
4-780.3								2			5	
Special Equipment: 100 Trash Bags, 1 Hand Tools												

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Hwy 101 in Ventura, take Victoria Ave. South toward ocean; left (east) on Channel Islands Blvd.; right (south) on Ventura Rd.; right (west) onto Port Hueneme Blvd. and into the port. The Wharfinger's Office is in elevated trailer to the

4-780 -A Site Strategy - Port of Hueneme (POH)**4-780 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 552 C-D x 6-7

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right of the entrance. North side of port entrance (Silver Strand Beach) -Take Victoria Ave. south to where it curves right and becomes San Nicolas Way. Left on Ocean Dr. to Venice Rd. South side of harbor entrance from port - follow Hueneme Rd. east to Surfside Dr. right toward ocean.

LAND ACCESS:

Access for foot traffic, ATV, 4-WD, and heavy equipment on beach. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area (Seacliff to McGrath State Beach) contact Ventura Harbor for full service berthing, launching, and fueling. For sites south of CIH, Port of Hueneme and Channel Islands Harbor (CIH) both support full service berth, launching, and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**LOGISTICS:**

Small Boat Launch ramp at north end of Port.

Equipment: Clean Seas Yard (Carpinteria); MSRC- Port Hueneme; U.S. Navy, and spill cleanup companies located at the Oxnard Harbor District.

Staging Areas: North Side: (Out-of- Port) - La Janelle Beach; In-Port Multiple areas in consultation with Wharfingers Office; South Side: (Out-of-Port) Port of Hueneme Park.

Potential Field Command Post: Oxnard Harbor District Office; U.S. Navy; USCG Office Channel Islands Harbor.

Closest Airports: Oxnard AP - Airport Mgr.

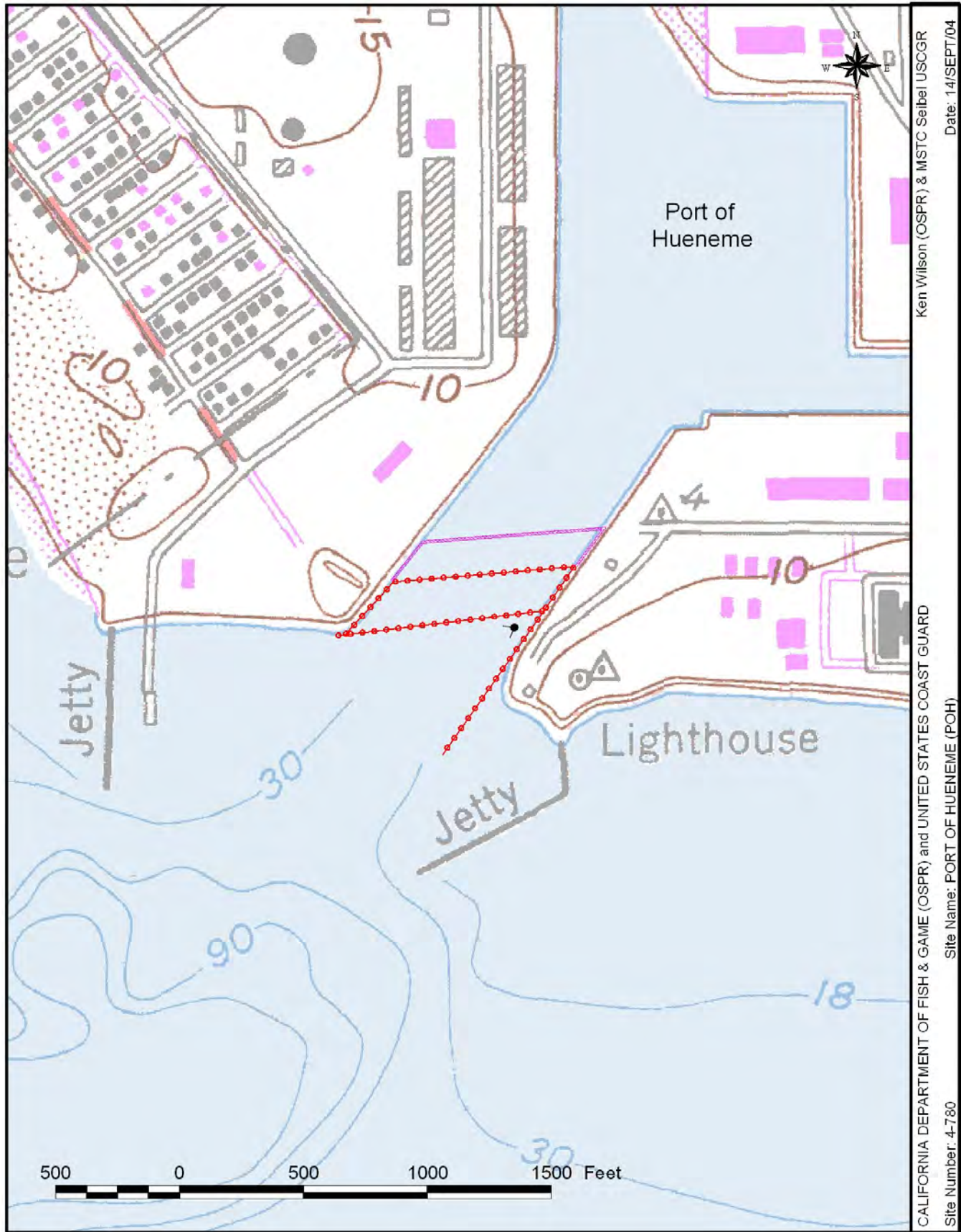
John Dodd (8-5pm) 805-382-3024 (8/99) 24 hrs 382-3022 (duty office) 947-6804 (cell)

Camarillo AP - Airport Mgr. (8-5pm)

805-388-4246 (4/99); 24 hr 388-4497 (duty office) 947-6803 (cell)

COMMUNICATIONS PROBLEMS:**ADDITIONAL OPERATIONAL COMMENTS:**

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.



<ul style="list-style-type: none"> Harbor / Curtain Boom Swamp / River Boom all other boom types 	<ul style="list-style-type: none"> Sorbent boom Berm, Dam, or Dike Filter fence Boom tow 	<ul style="list-style-type: none"> SSS - Shoreside Skimming System SFS - Stationary Floating Skimmer SPS - Self Propelled Skimmer TSA - Towed Skimming Array
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4-783 -A Site Summary - Ormond Beach Wetlands and State Beach**4-783 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 386 Kx3

34.137

119.183

SITE DESCRIPTION:

Last Page Update : 5/15/2008

Site bounded to the NW by Point Hueneme, and runs SE approx. 3 MI. The most sensitive habitat component of this site is the nearly 130 acres of wetlands that lie just shoreward of the vegetated sand dunes and broad sandy beach. The wetlands are primarily salt and brackish water marsh, mudflats and open water; their size varies with rainfall and water released by the nearby sewage treatment plant. Two channels enter the wetland from inland, one near each end. The fine to medium-grained sand beach is 3 miles long (from Port Hueneme to Arnold Road). Port Hueneme Beach Park is in the eastern portion of this site.

SEASONAL and SPECIAL RESOURCE CONCERNS

Mid-April to mid-Sept for least terns nesting in dunes.

Mar 1 thru Sept 1 for snowy plovers nesting along upper beach. Whenever wetlands connect with ocean (e.g. during extreme high tides or heavy rain

All year for pismo clams; population varies seasonally and yearly. March thru August for grunion spawning (check local tide books for dates and times of runs)

RESOURCES OF PRIMARY CONCERN

Fresh & brackish marsh, mudflats, and open water, pickleweed and saltgrass.

California least terns (Apr-Sep), Western snowy plovers (Apr-Sep), Brown pelicans (Feb-Nov), Belding's savannah sparrow. Plus high numbers of waterfowl, seabirds and shorebirds.

Occasional Harbor seals and Calif. sea lions on beach.

Tidewater goby (year round).

Sandy beach tiger beetle, Globose dune beetle, & Wandering skipper (a butterfly) - all candidate endangered species. Also Frost's tiger beetle and Point Mugu dune weevil - both rare species.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Mark Norris Superintendent	City of Oxnard - Wastewater Treatment Plant	(805) 488-3517
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	Ormond Beach Power Plant (24hr)	Reliant Energy	(805) 986-7201
	Greg Sanders	MMS (Shorebird Data)	(805) 389-7863
	Watershed Protection District	Ventura County	(805) 654-2001

ADDITIONAL SITE SUMMARY COMMENTS:

REFERENCES: 1. RPI-ESI MAPS SOUTHERN CAL ATLAS

4-783 -A Site Strategy - Ormond Beach Wetlands and State Beach**4-783 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 386 Kx3

34.137

119.183

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threat from marine source. The best response options for protecting this shoreline are to collect and/or disperse oil in offshore areas before it reaches inshore areas and to pre-clean debris from beaches. Should oiling occur, cleanup oiled shorelines. The dunes and upper beaches provide critical nesting habitat for Threatened/Endangered birds. These animals can be killed and habitat can be damaged by oil and response/cleanup activities unless responders avoid disturbing the dunes and upper beaches; drive vehicles on wet sand, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries to, and exits from shorelines and facilities in and around the the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Strategy 4-783.1 Objective: Berming - Prevent oil from contaminating the inlet when it is subject to tidal influence, low flows are present, and/or wave washover could occur if berm materials are present.

Berming - First, consult with resource trustees regarding wildlife issues before undertaking this activity. Build a berm across the mouth of the inlet using onsite materials obtained from unvegetated areas below the high tide line to minimize damage to wildlife and habitat. Install under flow pipes in the berm to allow through flows and/or a spillway with a filter barrier to accommodate flow increases as weather conditions dictate. Cover the berm with sheet plastic to minimize erosion. Second, back the berm with swamp and sorbent booms to prevent contamination from entrainment, leakage and or washover. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor berm and associated features to maintain their integrity and effectiveness.

Strategy 4-783.2 Objective: Booming - Deploy exclusion booms across the inlet entrance to protect sensitive species and habitats when suitable berm building materials are unavailable, water flows are too great, or water depths are too great for berming.

Booming - Deploy exclusion booms across the inlet to minimize the likelihood of oiling the estuary. Place the booms in a configuration which forms an oil collection pocket which can be adjusted to accommodate changes in flow direction. Back exclusion booms with sorbent booms to minimize leakage. Line the shorelines and any side channels within the inlet to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor, adjust, and replace booms at least 2 x per day to maintain their integrity and effectiveness.

Strategy 4-783.3 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
					Num	Type and Gear			Num and Type		Deploy	Tend.ing
4-783.1		1500		1000	6						10	2
Special Equipment: 1 Front End Loader, 1 Roll Plastic, 6 Culvert Pipes, 40 Sand Bags, 150 Stakes (metal), 3 Stake Driver, 40ft Construction Fencing, 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank, 1 Hand Tools												
4-783.2		1500		1000	7			1	1		10	2
Special Equipment: 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank OR Vacuum Truck, 150 Stakes (metal), 2 Stake Driver												
4-783.3											5	

LOGISTICS**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From U.S. 101 in Ventura, exit at Ventura Road and head south for 7 miles. Turn right at Surfside Drive to Port Hueneme beach park. This has a large parking lot plus the best access for heavy equipment. Site bounded to the NW by Point Hueneme, and runs SE approx. 3 MI.

LAND ACCESS:

Access for foot traffic, ATV, 4-WD, and heavy equipment on beach. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area (Seacliff to McGrath State Beach) contact Ventura Harbor for full service berthing, launching, and fueling. For sites south of CIH, Port of

4-783 -A Site Strategy - Ormond Beach Wetlands and State Beach**4-783 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Oxnard**Thomas Guide Location:** 386 Kx3

34.137

119.183

Hueneme and Channel Islands Harbor (CIH) both support full service berth, launching, and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Equipment: Clean Seas Yard - (Carpinteria) appx. 25 miles north.

Staging area: Port Hueneme Beach Park

Potential command post sites: Port Hueneme Naval base

Closest airports: are in Oxnard, Camarillo, and Santa Barbara

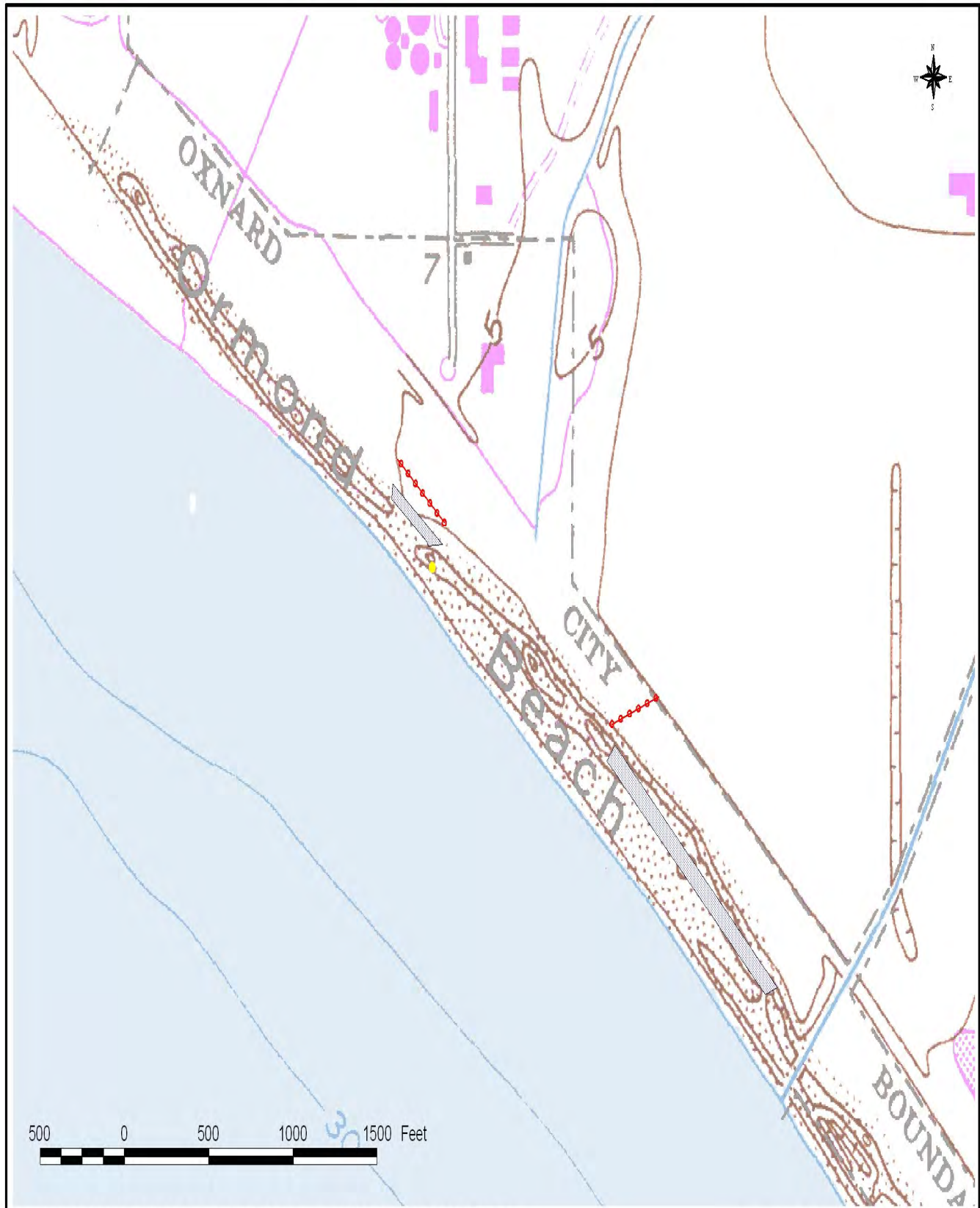
COMMUNICATIONS PROBLEMS:**ADDITIONAL OPERATIONAL COMMENTS:**

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.

Monitor status of wetlands connection to ocean. Beach debris is usually moderate (more in winter after rains); mostly trash and drift wood. Natural oil or tar is occasionally present - usually in relatively low amounts. Popular recreational beach especially for surfing, swimming, clamming. The waste water treatment plant is located at 6001 Perkins Road. Port Hueneme fishing pier located at the nw end near port Hueneme Beach Park. The SCE Ormond Beach Power Plant is located at the SE end.

SPECIAL CONSIDERATIONS:

1. Federal and State Emergency permits may be required.
2. All cleanup operations in the general area should be conducted with the advice and cooperation of the Department of Fish and Game or the U.S. Fish and Wildlife Service.
3. Air craft Restrictions: Pt Mugu NAS is lead agency.
4. Consider assistance of local authorities for closure of affected shorelines and traffic control.



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
 Site Number: 4-783 Site Name: ORMOND BEACH AND WETLANDS

Ken Wilson (OSPR) & MSTC Seibel USCGR
 Date: 14/SEPT/04

<ul style="list-style-type: none"> Harbor / Curtain Boom Swamp / River Boom all other boom types 	<ul style="list-style-type: none"> Sorbent boom Berm, Dam, or Dike Filter fence Boom tow 	<ul style="list-style-type: none"> SSS - Shoreside Skimming System SFS - Stationary Floating Skimmer SPS - Self Propelled Skimmer TSA - Towed Skimming Array
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4-787 -A Site Summary - Laguna Point**4-787 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Point Mugu**Thomas Guide Location:** 583

34.095

119.108

SITE DESCRIPTION:

Last Page Update : 5/15/2008

Approximately 3.5 miles (from Arnold Rd south to Laguna Point). Medium to coarse grained sand beaches backed by low dunes. Also several rip-rap structures at Laguna Point and 1 mile south of Arnold Road. This area lies within Naval Base Ventura County / Pt. Mugu site.

SEASONAL and SPECIAL RESOURCE CONCERNS

Spring and Summer for least terns and snowy plovers nesting.

Spring and summer for grunion spawning.

All year for bird concentrations and pismo clams

RESOURCES OF PRIMARY CONCERN

Various shorebirds and seabirds including California least terns (Apr-Sep), and Western snowy plovers (Apr-Sep).

California grunion (apr-Aug), Surfperch.

Pismo clams (Jun-Sep)

Salt Marsh Bird's-beak

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

One cultural, historical, and archeological site is known to exist at the Naval Station Ventura County, however, the location of this site must be ascertained by, first, contacting Ron Dow, Director of Environmental Division (805) 989-3804. Information may also be found at the Native American Heritage Commission at (916) 653-4082, and State Office of Historical Preservation (916) 653-6624 and the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Ron Dow Director of Env. Division	Naval Base Ventura County	(805) 989-3804
	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Naval Base Ventura and Port Hueneme Information	US Navy	(805) 989-1110
	Naval Security (24hr)	Naval Base Ventura and Pt. Hueneme	(805) 982-4591
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	Bob Read Marine Biologist	CDFG - (Harbor Seals)	(858) 467-4213
	Martin Ruane Biologist	Naval Base Ventura County (Birds and other T/E sp	(805) 989-3808
	Robert Zaragosa	Naval Base Ventura County - Pt Mugu (Spill Progra	(805) 982-6579

ADDITIONAL SITE SUMMARY COMMENTS:**REFERENCES:**

1. RPI-ESI MAPS (SOUTHERN CALIF ATLAS)

4-787 -A Site Strategy - Laguna Point**4-787 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Point Mugu**Thomas Guide Location:** 583

34.095

119.108

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threat from marine source. The best response options for protecting this shoreline are to collect and/or disperse oil in offshore areas before it reaches inshore areas and to pre-clean debris from beaches. Should oiling occur, cleanup oiled shorelines. The dunes and upper beaches provide critical nesting habitat for Threatened/Endangered birds. These animals can be killed and habitat can be damaged by oil and response/cleanup activities unless responders avoid disturbing the dunes and upper beaches; drive vehicles on wet sand, and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries to, and exits from shorelines and facilities in and around the the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Onshore response strategies for protecting onshore and nearshore resources in this area are extremely limited. Whenever possible, attempt to collect and/or disperse oil in offshore locations before it reaches inshore areas or the shoreline.

Strategy 4-787.1 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace uncoiled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom Amount and Type	Sorb Boom	Anchoring Systems Num Type and Gear	Boom Boats	Skiffs	Skimmers Num and Type	Staff	
									Deploy	Tending
4-787.1									5	

Special Equipment: 2- Vehicle (4wd), 200 Trash Bags, 1 Hand Tools

LOGISTICS**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Via Naval Base Ventura County/Pt. Mugu site). From U.S. 101 in Camarillo, take Las Posas rd exit, south, to Hwy. 1, North, to Wood rd, then left to main gate of Pt. Mugu site. Special permission from Naval Base Ventura County / Pt. Mugu will be necessary. Call the Environmental Division at 805 989-7412 or try Emergency Services at (805) 989-8888. Approximately 3.5 miles (from Arnold Rd south to Laguna Point).

LAND ACCESS:

Access for foot traffic, ATV, 4-WD, and heavy equipment on beach. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

WATER LOGISTICS:

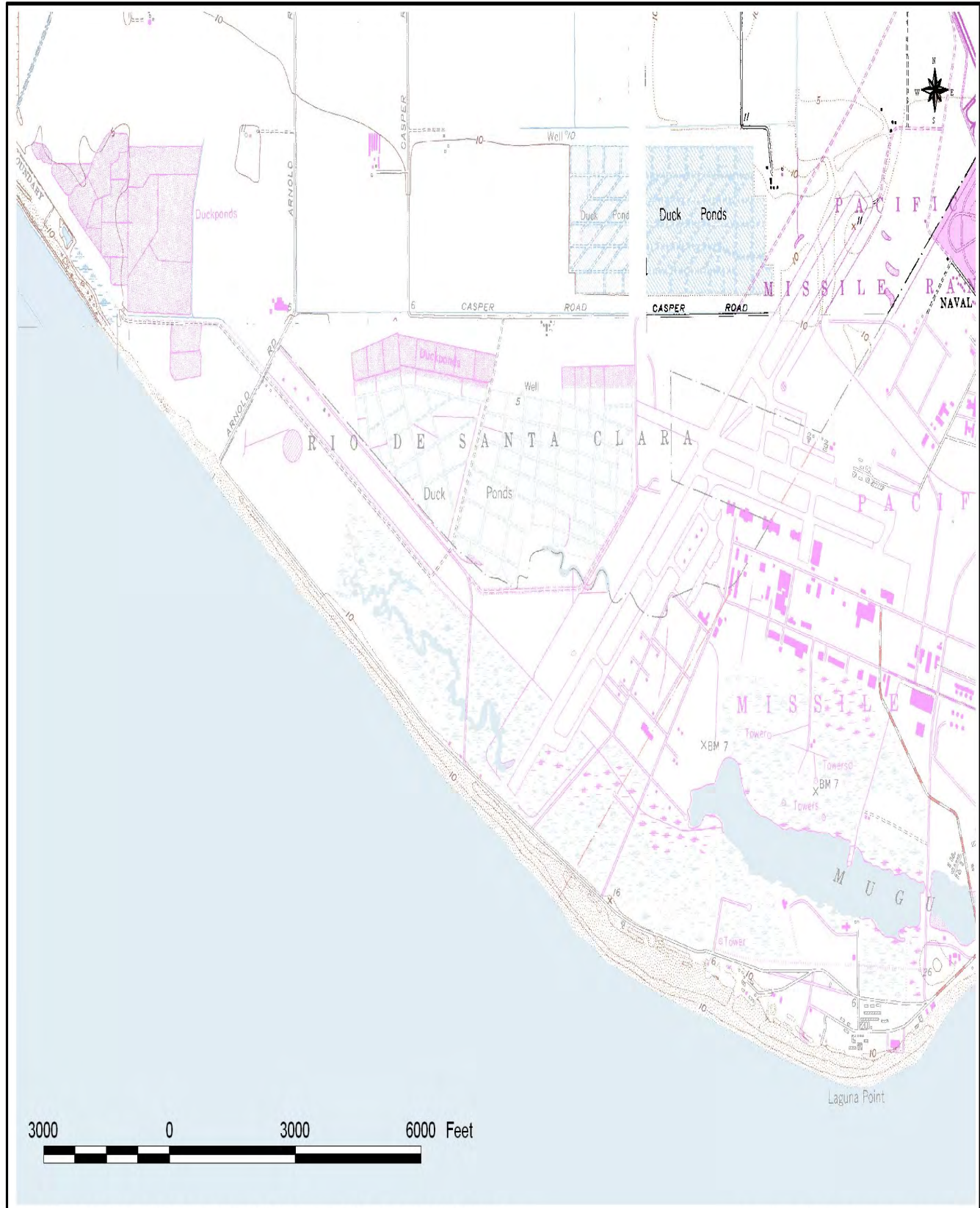
Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area (Seacliff to McGrath State Beach) contact Ventura Harbor for full service berthing, launching, and fueling. For sites south of CIH, Port of Hueneme and Channel Islands Harbor (CIH) both support full service berth, launching, and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**COMMUNICATIONS PROBLEMS:****ADDITIONAL OPERATIONAL COMMENTS:**

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.

High energy coastline with considerable sand movement possible.



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD Ken Wilson (OSPR) & MSTC Seibel USCGR
Site Number: 4-787 Site Name: LAGUNA POINT AREA Date: 14/SEPT/04

Harbor / Curtain Boom	Sorbent boom	SSS - Shoreside Skimming System
Swamp / River Boom	Berm, Dam, or Dike	SFS - Stationary Floating Skimmer
all other boom types	Filter fence	SPS - Self Propelled Skimmer
	Boom tow	TSA - Towed Skimming Array

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4-790 -A Site Summary - Mugu Lagoon

4-790 -A

County: Ventura

NOAA Chart: 18725(a)

Latitude N

Longitude W

USGS Quad: Point Mugu (digital)

Thomas Guide Location: 583

34.101

119.097

Last Page Update : 5/15/2008

SITE DESCRIPTION:

Site bounded by Laguna Pt. to the NW and Pt. Mugu to the SW. Mugu lagoon is the largest wetland in the planning area and is one of the largest coastal wetlands in the state, covering nearly 2,000 acres. The opening to the lagoon migrates and is delineated by a large boulder rip-rap seawall to the west, and a highly dynamic sand spit to the east. Large surf conditions are common and 2 to 4 knot currents should be expected during flood and ebb tides. It has been designated as an area of special significance (ASKS). The lagoon is part of the point mugu naval air station (NAS).

SEASONAL and SPECIAL RESOURCE CONCERNS

All year for wetland biota, as the lagoon mouth is never closed. January - June for harbor seals pupping and breeding near mouth. Mid April - mid Sept. for least terns nesting in dunes of outer beach. Mar 1 - Sept. for snowy plovers nesting on upper beach.

RESOURCES OF PRIMARY CONCERN

Mugu lagoon is the largest wetland in the planning area and is one of the largest coastal wetlands in the state, covering nearly 2,000 acres. It has been designated as an area of special significance (ASKS).

California least terns (Apr-Sep), Western snowy plovers (Apr-Sep), Light footed clapper rails, Brown pelicans (Feb-Nov), Belding's savannah sparrow and various other seabirds, shorebirds, and waterfowl, also Peregrine falcons and other raptors.

Harbor seals (Mar-Jun) and California sea lions haul out just inside the lagoon.

California halibut, Starry flounder, Surfperch, Rainbow trout (Steelhead) and various species of fishes and invertebrates.

Pismo clams (Jun-Sep).

Salt marsh bird's beak, Eelgrass beds.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

One cultural, historical, and archeological site is known to exist at the Naval Station Ventura County, however, the location of this site must be ascertained by, first, contacting Ron Dow, Director of Environmental Division (805) 989-3804. Information may also be found at the Native American Heritage Commission at (916) 653-4082, and State Office of Historical Preservation (916) 653-6624 and the Central Coast Archeological Information Center (805) 893-2474.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
	Ron Dow Director of Env. Division	Naval Base Ventura County	(805) 989-3804
	Federally listed T/E species - Ventura Office	USFWS	(805) 644-1766
	Mike Glassow Coordinator (24hr)	Central Coast Archeological Information Center	(805) 962-3304
	Kai Lampson Marine Biologist	CDFG - (Nearshore Species)	(805) 965-7216
	Natasha Lohmus Environmental Scientist	CDFG - (Habitat)	(805) 705-8015
	Main Office	Central Coast Archeological Information Center	(805) 893-2474
	Dave Ono Marine Biologist	CDFG - (Fisheries)	(805) 569-1221
	Bob Read Marine Biologist	CDFG - (Harbor Seals)	(858) 467-4213
	Robert Zaragosa	Naval Base Ventura County - Pt Mugu (Spill Progra	(805) 982-6579

ADDITIONAL SITE SUMMARY COMMENTS:

REFERENCES USED: 1. "CALIFORNIA COASTAL RESOURCE GUIDE" AND "CALIFORNIA COASTAL ACCESS GUIDE" BY THE CALIFORNIA COASTAL COMMISSION. 2. "INVENTORY OF COASTAL WOODLANDS IN SANTA BARBARA COUNTY". INTERIM REPORT. BY: R. AMBROSE. 1993. 3. "HARBOR SEAL CENSUS IN CALIFORNIA, MAY-JUNE 1992." BY: HANNAN & JONES. 1993. 4. "STATUS OF FISHES OF SOUTHERN CALIFORNIA WITH RECOMMENDATIONS FOR PRESERVES TO MAINTAIN THEIR EXISTENCE". BY: CAMM SWIFT, T. HAGLUND, M. RUIZ. 1990. 5. "PROPOSED WESTERN SNOWY PLOVER CRITICAL HABITAT". BY: USFWS - VENTURA FIELD OFFICE. 6. "COASTAL INLET PROTECTION STRATEGIES FOR OIL SPILL RESPONSE - VOLUME 1." BY: RESEARCH PLANNING INC. 1993.

4-790 -A Site Strategy - Mugu Lagoon**4-790 -A****County:** Ventura**NOAA Chart:** 18725(a)**Latitude N****Longitude W****USGS Quad:** Point Mugu (digital)**Thomas Guide Location:** 583

34.101

119.097

CONCERNS AND ADVICE TO RESPONDERS:

Last Page Update : 5/15/2008

Primary spill threats from inland and marine sources. The primary objectives are to exclude oil from lagoon, pre-clean debris, and clean oil from shorelines. The lagoon is habitat for a Threatened/Endangered (T/E) fish year around. Several T/E birds inhabit this area. Animals and habitat can be injured by oil and response/cleanup activities unless responders minimize disturbance in lagoon, and associated vegetation; avoid disturbing the dunes and upper beaches; drive vehicles on wet sand; avoid trampling oil into sediments; and follow protective conditions from IC and resource biologists.

HAZARDS and RESTRICTIONS:

A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in this area. Check with the County of Ventura, Ocean Monitoring Hotline, 805-662-6555, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.

B. Beach Safety Considerations - Beware of people and animals on the beach, pedestrians, waves, slips, trips and falls, and water hazards. Safe entries and exits from shorelines and facilities in and around the beach are related to tides, sea conditions, and beach sand levels. When using a vehicle on the beach, sand surface may be soft. **YOU MAY GET STRANDED ON THE BEACH** - Plan accordingly.

SITE STRATEGIES

Strategy 4-790.1 Objective: Booming - Deploy exclusion booms across the inlet entrance to protect sensitive species and habitats when suitable berm building materials are unavailable, water flows are too great, or water depths are too great for berming.

Booming - Deploy exclusion booms across the inlet to minimize the likelihood of oiling the estuary. Place the booms in a configuration which forms an oil collection pocket which can be adjusted to accommodate changes in flow direction. Back exclusion booms with sorbent booms to minimize leakage. Line the shorelines and any side channels within the inlet to prevent collateral oiling. If there is skimmable oil present, deploy sorbents and contact the IC immediately regarding the use of skimmers and or other mechanical means for collecting oil. Monitor, adjust, and replace booms at least 2 x per day to maintain their integrity and effectiveness.

Strategy 4-790.2 Objective: Shoreline Precleaning - Prevent oiling of wrack, trash, and other materials to reduce collateral contamination and disposal problems.

Shoreline Precleaning - Consult with resource trustees regarding wildlife issues before undertaking this activity. Hand crews to move and store kelp, driftwood, vegetative debris, trash, and other materials above high-tide line. Dispose of trash. Replace unoled debris in its former location once the threat of oiling is past. If heavy equipment is required for this operation, request trustee consultation and IC for authorization.

Table of Response Resources

Strategy Number	Harbor Boom	Swamp Boom	Other Boom	Sorb Boom	Anchoring Systems		Boom Boats	Skiffs	Skimmers		Staff	
			Amount and Type		Num	Type and Gear			Num and Type		Deploy	Tending
4-790.1								2	2	1		
Special Equipment: 1 Waste Bin (20 yd), 1 Portable Oil Storage Tank												
4-790.2											5	
Special Equipment: 2- Vehicle (4wd), 200 Trash Bags, 1 Hand Tools												

LOGISTICS**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From U.S. 101 in Camarillo, take Las Posas rd. exit, south, to Hwy 1, north, to Wood rd, then left to main gate of Naval base Ventura County / Point Mugu site; restricted entry. Site bounded by Laguna Pt. to the NW and Pt. Mugu to the SW.

LAND ACCESS:

Access for foot traffic, ATV, 4-WD, and heavy equipment on beach. Keep below high tide line on wet sand. All beach access will be approved by IC under recommendation from agency resource biologist.

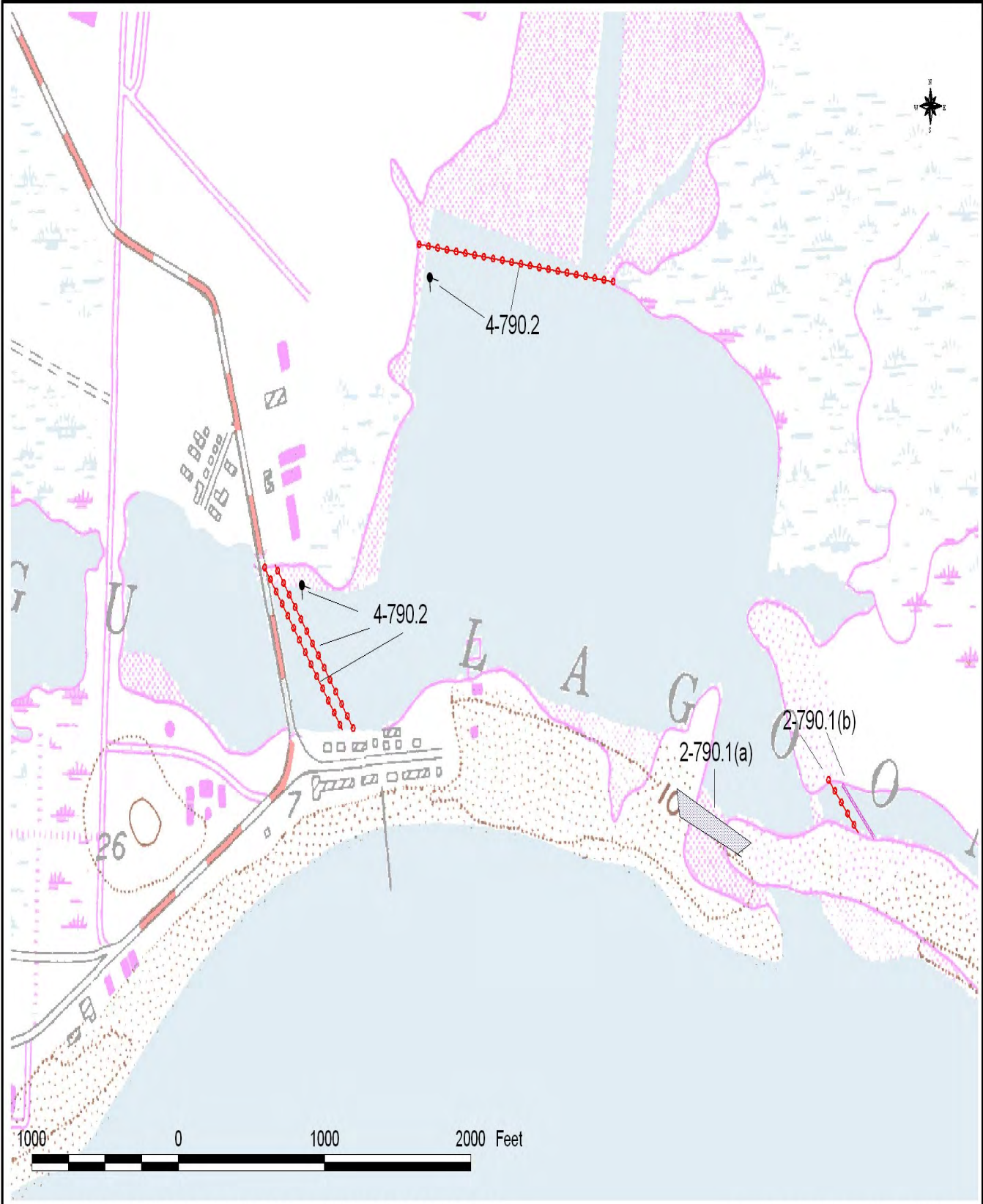
WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: In the northern portion of the area (Seacliff to McGrath State Beach) contact Ventura Harbor for full service berthing, launching, and fueling. For sites south of CIH, Port of Hueneme and Channel Islands Harbor (CIH) both support full service berth, launching, and fueling.

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**COMMUNICATIONS PROBLEMS:****ADDITIONAL OPERATIONAL COMMENTS:**

Due to the probable occurrence of Snowy plovers and/or Least terns at this site, please review the Sandy Beach Site Summary and Strategies (Site 4-000-A) for information on response operations when dealing with these sensitive species.



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
Site Number: 4-790 Site Name: MUGU LAGOON

Ken Wilson (OSPR) & MSTC Seibel USCGR
Date: 14/SEPT/04

○-○-○-○ Harbor / Curtain Boom	▨ Sorbent boom	⤴ SSS - Shoreside Skimming System
×-×-×-× Swamp / River Boom	▨ Berm, Dam, or Dike	⤴ SFS - Stationary Floating Skimmer
— all other boom types	⋯ Filter fence	⤴ SPS - Self Propelled Skimmer
	⤴ Boom tow	⤴ TSA - Towed Skimming Array

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9813.2 Cultural and Other Resources at Risk – Ventura County

This section provides cultural and other resources at risk information that may not be included in sensitive site information. This section also includes information such as “Essential Fish Habitat” or other variable resource patterns which may occur in a Geographic Response Area.

9813.21 Cultural and Historic Resources

Cultural or historic resources details are noted on the site summary pages when sensitive sites overlap cultural sites. However, most cultural resource information is very confidential. The Cultural and Historic Resources Information System (CHRIS) is an elaborate database maintained by the Office of Historic Preservation of the California Department of Parks and Recreation. Access to the database is restricted and similar information is not publicly available here in order to keep these resources as secure as possible. The [**draft CALIFORNIA IMPLEMENTATION GUIDELINES FOR FEDERAL ON-SCENE COORDINATORS FOR THE PROGRAMMATIC AGREEMENT ON PROTECTION OF HISTORIC PROPERTIES DURING EMERGENCY RESPONSE UNDER THE NATIONAL OIL AND HAZARDOUS SUBSTANCES POLLUTION CONTINGENCY PLAN**](#) provides the process to protect and conserve cultural and historic resources during a response. Details here are for local contacts and similar local information.

Please see the information regarding Cultural and Historic Resources provided on the Site Summary pages in the Sensitive Site section (9813.1).

Information Center of the California Archeological Inventory

The following institutions are under agreement with the Office of Historic Preservation to:

- Integrate newly discovered sites and information on known sites into the California Archeological Inventory;
- Supply information on known sites and archeological surveys to governments, institutions, and individuals who have a justifiable need to know;
- Supply a list of consultants who are qualified to do archeological field work within their area.

Information Centers:

Central Coastal Information Center

Dr. Michael A. Glassow, Coordinator
Department of Archeology
University of California, Santa Barbara
Santa Barbara, CA 93106

Contact: Melissa Chatfield
(805) 893-2472
(805) 893-8707 FAX
ccic@anth.ucsb.edu

South Central Coastal Info.Center

SCCIC – Department of Anthropology
CSU Fullerton
800 North State College Blvd.
Fullerton, CA 92834
(714) 278-5395
(714) 278-5542 FAX
sccic@fullerton.edu
www.anthro.fullerton.edu/sccic/

Following are contacts for cultural or historic resources:

**Native American Heritage
Commission**

915 Capitol Mall, Room 364
Sacramento, CA 95814

P.O.C.: Larry Myers
Phone: (916) 653-4082
FAX: (916) 657-5390

Office of Historic Preservation

Department of Parks and Recreation
1416 9th St.
Sacramento, CA 94296-0001
CEQA Information: Noah Tilghman
Phone: (916) 653-3460
FAX: (916) 653-9824

Cultural Resources Division

Department of Parks and Recreation
1416 9th St.
Sacramento, CA 94296-0001

Contact: John W. Foster
Phone: (916) 653-4529
FAX: (916) 653-339

Office of Historic Preservation

Department of Parks and Recreation
1416 9th St., Room 1442-7
Sacramento, CA 95814
(916) 653-6624
(916) 653-9824 FAX

P.O. Box 942896
Sacramento, CA 94296-0001

Coordinator: Margaret Lopez
Assistant Coordinator: Stacy St. James
Staff Researcher: Mary Jo Tarrant

Information Centers Coordinators:

John Thomas
(916) 653-9125
Eric Allison
(916) 653-7278

State Inventory (structures): Joseph
McDole
(916) 653-9019
www.ohp.parks.ca.gov

Resources Protection Division

Department of Parks and Recreation
Sacramento, CA 94296-0001
(916) 653-4458 FAX

Senior State Archaeologist: John W.
Foster
(916) 653-4529

California State Lands Commission

100 Howe Ave., Suite 100 South
Sacramento, CA 95825-8202
(916) 574-1900
(916) 574-1810 FAX

Long Beach – Mineral Resources
Management Division
200 Oceangate, 12th Floor
Long Beach, CA 90802-4331
(562) 590-5295 FAX

Paul B. Mount II
Division Chief Mineral Resources
(562) 590-5205
(562) 590-5210 FAX
mountp@slc.ca.gov
www.slc.ca.gov

9813.22 Critical Fish Habitat

Critical habitat is a legal definition for areas "essential" for the conservation of threatened or endangered species.

The federally listed tidewater goby can be found at several Environmentally Sensitive Sites in Ventura County. These sites are usually lagoons separated from the ocean by natural sand berms. All life stages of tidewater gobies are typically found at the upper

end of these lagoons in areas of low salinity (commonly less than 10 parts per thousand). Critical habitat designation for tidewater gobies is under development. Steelhead trout (federally listed threatened in San Luis Obispo County and endangered from Santa Maria River south) can also be found at several Environmentally Sensitive Sites in Ventura County. The National Marine Fisheries Service has designated many estuaries and instream habitats in Ventura County as Proposed Critical Habitat for steelhead.

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9813.3 Economically Sensitive Areas – Ventura County

The primary purpose of this section is to identify and incorporate into emergency response planning, the specific resources subject to injury or damages from an oil spill event. Subsection 9813.3 contains information that identifies through lists, tables maps, and text, many of the economic resources that face potential damages due to an oil spill. Limitations of time, personnel, and the availability of information suggest that all resources of significant economic value and susceptible to marine oil spills could not be identified at this time.

People involved with response planning recognize that throughout California marine waters, along the State's shoreline, and within coastal communities there are many resources of economic importance that could be severely impacted by an oil spill incident.

Relation to Environmentally Sensitive Areas in Section 9813.1

Section 9813.1 contains maps and site summary sheets with information about the environmental sensitivity of specific locations within the planning area. State and Federal law establish three priority levels for dedication of emergency oil spill response resources.

- First Priority - Protection of human health and safety
- Second Priority - Protection of environmental resources
- Third Priority - Protection of economic resources

Examples of resources that will receive a first priority response (human health and safety) include:

- power plant intake
- desalinization plants
- drinking water intakes
- other health/safety intakes
- public use areas at risk (e.g. fire department)

Environmentally sensitive sites are designated as the second priority for oil spill response resources.

Economically Sensitive Areas Ranking

Strictly economic resources are designated as the third priority for dedication of oil spill response resources, following human health and safety and environmental resources. The economic sites are ranked using a continuation of the environmental scale with D, E, and F categories. Economic resources that have a greater potential for long-term damages receive a higher rank or priority for emergency response.

Response planners recognize that marine resources can have environmental, economic, and cultural or historical importance, such as coastal parks or important fishing areas. In these cases, the higher environmental ranking would be used for response planning. The need to set priorities for protection will occur only when response equipment or resources are inadequate to handle a given spill volume.

The Area Contingency Plan is a planning document intended to assist oil spill response personnel during actual response activities and with pre-spill planning. The Unified Command requires flexibility in planning response activities. This flexibility is necessary to provide the most appropriate response to a

given spill event.

Criteria for Priority Response and Types of Economic Resources

The following criteria or definitions are used to categorize economic resources in terms of priority for response:

- D = Economic activities and resources which require high water quality for their operations or existence. Resources that fall into this category would face severe, long-term economic impacts from a spill. This category includes commercial fishing areas (also have environmental rank), aquaculture and mariculture areas, marine labs, salt pond intakes, aquarium water intakes, etc.
- E = Facilities, businesses, or resources which directly use coastal or bay waters within their economic activity and which are at risk of oiling from a spill in marine waters. The resources falling into this category would face significant disruption of their activity, but shorter term potential damages from oiling than resources in the "D" category. This category would include resources such as marinas, harbors, commercial piers, industrial intakes, and parks or recreational areas.
- F = This category contains marine associated facilities, businesses and resources. These resources would face economic impacts from a marine spill, but do not depend directly on marine water for their economic base. Resources in this category will tend to face less severe damages than those identified in categories D or E. This category includes economic resources such as waterfront hotels, restaurants, shops, and residential areas. (Note: residential sites would be evacuated to avoid health risks).

Types of Economically Significant Resources and Ranking

Listed below are various types of significant economic resources potentially at risk from oiling and the appropriate response priority category.

- D - Aquaculture, mariculture, commercial fishing grounds or areas, aquariums, marine labs, facility intakes (not affecting public health).
- E - Parks, beaches, recreational areas vessel or boat traffic areas, shipping lanes, harbor entrances, river mouths, bays, anchorages, marinas, houseboat areas, ferries and tour boats, port or harbor facilities, boat moorings, cargo piers, terminals, fishing piers, and ship or boat repair shops.
- F - Tourist, hotel, restaurant areas, and waterfront residential areas

Information about Sensitive Economic Resources

Attached to Section 9813.3 are tables and maps of sensitive economic areas or resources. Below is a description of the types of information that can be provided for each identified economic resource or facility. Some information is unavailable for specific resources identified within this section.

1. Resource or facility identification number
2. Location of resource or facility
3. Brief description of the resource at risk
4. Contact names and numbers (24 hour access if available)
5. Priority response category

Site #	Location/Facility	Description of Facility Uses/Importance	Contact Name, Phone # and Address	Response Category	Response Equipment
1	Hobson County Park	Overnight camping (fee) and picnic sites		E	
2	Rincon Parkway North between Hobson and Faria county parks	Overnight camping (fee) and picnic sites		E	
3	Faria County Park Off old PCH, at Pitas Point	Tent and trailer campsites.		E	
4	Emma Wood State Beach South end of old PCH	Overnight and day-use facilities, fees for both. Camping area run by county	Channel Coast District State Parks 805-585-1850 (800-1700) Dispatch (SURCOM) 951-443-2944 (24hrs)	E	
5	San Buena Ventura State Beach From the Ventura Pier south to Marina Park, Ventura	Recreational access to Ventura pier	Channel Coast District State Parks 805-585-1850 (800-1700) Dispatch (SURCOM) 951-443-2944 (24hrs)	E	
6	Ventura Harbor W of Harbor Blvd at Anchor's Way Dr., Ventura	Two marinas, fuel dock, boat storage and repair, bait shop		E	
7	Ventura Harbor Village	Berthing: 165 Mooring: 1	1559 Spinnaker Dr. #205 Ventura, CA 93001 805-644-0169	E	
8	Ventura West Marina	Berthing: 544	1198 Navigator Dr. Ventura, CA 93001 805-644-8266	E	
9	The Channel Islands National Park Headquarters and Visitors Center	Exhibits, gift shop	1901 Spinnaker Dr. Ventura, CA 93001 805-644-8262	E	
10	Ventura Yacht Club	Berthing: 91	1755 Spinnaker Dr. Ventura, CA 93001 805-642-0426	E	
11	Ventura Isle Marina	Berthing: 703	1363 Spinnaker Dr. Ventura, CA 93001 805-644-5858	E	
12	McGrath State Beach 1.2 mi S of Spinnaker Dr.	Campground, trails	Channel Coast District State Parks 805-585-1850 (800-1700) Dispatch (SURCOM) 951-443-2944 (24hrs)	E	
13	Oxnard State Beach W of Harbor Blvd.	Picnic area, park, dunes	Channel Coast District State Parks 805-585-1850 (800-1700) Dispatch (SURCOM) 951-443-2944 (24hrs)	E	
14	Pacific Corinthian Marina	Berthing: 155	2610 S. Harbor Blvd. Oxnard, CA 93035 805-984-2847	E	
15	Anacapa Isle Marina	Berthing: 485	3001 Peninsula Rd. Oxnard, CA 93035	E	

Site #	Location/Facility	Description of Facility Uses/Importance	Contact Name, Phone # and Address	Response Category	Response Equipment
16	Peninsula Yacht Anchorage	Berthing: 270	3700 Peninsula Rd. Oxnard, CA 93035 (661) 295-1245	E	
17	Channel Islands Landing	Berthing: 58	3821 Victoria Ave. Oxnard, CA 93035 805-985-6059	E	
18	Channel Islands Commercial fishing Marina	Berthing: 66	3900 Pelican Way Oxnard, CA 93035	E	
19	Channel Islands Small Boat Marina	Berthing: 120	3900 Pelican Way Oxnard, CA 93035-4367 805-382-3007	E	
20	Vintage Marina	Berthing: 250	2950 S. Harbor Blvd. Oxnard, CA 93035	E	
21	Channel Island Marina	Berthing 525	3850 Harbor Blvd. Oxnard, CA 93035 805-985-7558	E	
22	Bahia Cabrillo Yacht Landing	Berthing: 80	4200 S. Harbor Blvd. Oxnard, CA 93035 (805) 985-6400 (Peninsula Yacht Anchorage manages this site) (805) 985-0133	E	
23	C.I. Sportfishing	Berthing: 28 Mooring: 15	4151 S. Victoria Ave. Oxnard, CA 93035 805-985-8511	E	
24	Channel Island Harbor (W of Victoria Ave., S of Channel Isl Blvd.)	Boat ramps, fuel docks, berths, park area, picnic sites, pedestrian walkway		E	
25	Port Hueneme Beach Park (Along W end of Surfside and Ocean View Drs., Port Hueneme)	Beach, picnic sites, pedestrian walkway, Port Hueneme Pier access		E	
26	Channel Islands Marine Resources Institute	White Abs, White Seabass, kelp bass seed producer. Growing area: Reliant Energy Power Plant, Ormond Bch Operates on water from plant. Intake of plant ~1/2 mile offshore of plant.	Tom McCormick PO Box 1528, Ojai CA 93024 805-640-1180 Office (0800-1700) 805-798-2505 (C)	D	
27	Thornehill Broome Beach (W of Hwy 1, 1.5 mi. N of Sycamore Cove)	Trailer and camp sites, picnic areas		E	
28	Sycamore Cove Beach	Headquarters for Pt. Mugu State Park, picnic areas	9000 PCH	E	
29	Staircase Beach	Recreational	40000 PCH Malibu, CA	E	

Site #	Location/Facility	Description of Facility Uses/Importance	Contact Name, Phone # and Address	Response Category	Response Equipment
30	Lake Casitas Marina	Berthing: 130 Mooring: 130	11311 Santa Ana Rd. Ventura, CA 93001 805-649-2043	E	
31	Lake Piru Marina	Berthing: 66	PO Box 249, 4780 Piru Canyon Rd. Piru CA 93040 805-521-1231	E	
32	Stellar Biotechnologies	Commercial prod. Of all species of CA abalone and produce abalone seed for sale. Growing area: US Navy Civil Eng Lab Water intake at mouth on east side of channel @ 4-5 ft of depth @ low tide	John McMullen and Troy Landers Ask @ Harbor district kiosk for Hueneme Aquaculture Park (next to lighthouse) Port Hueneme, CA 93043 805-488-3677	D	

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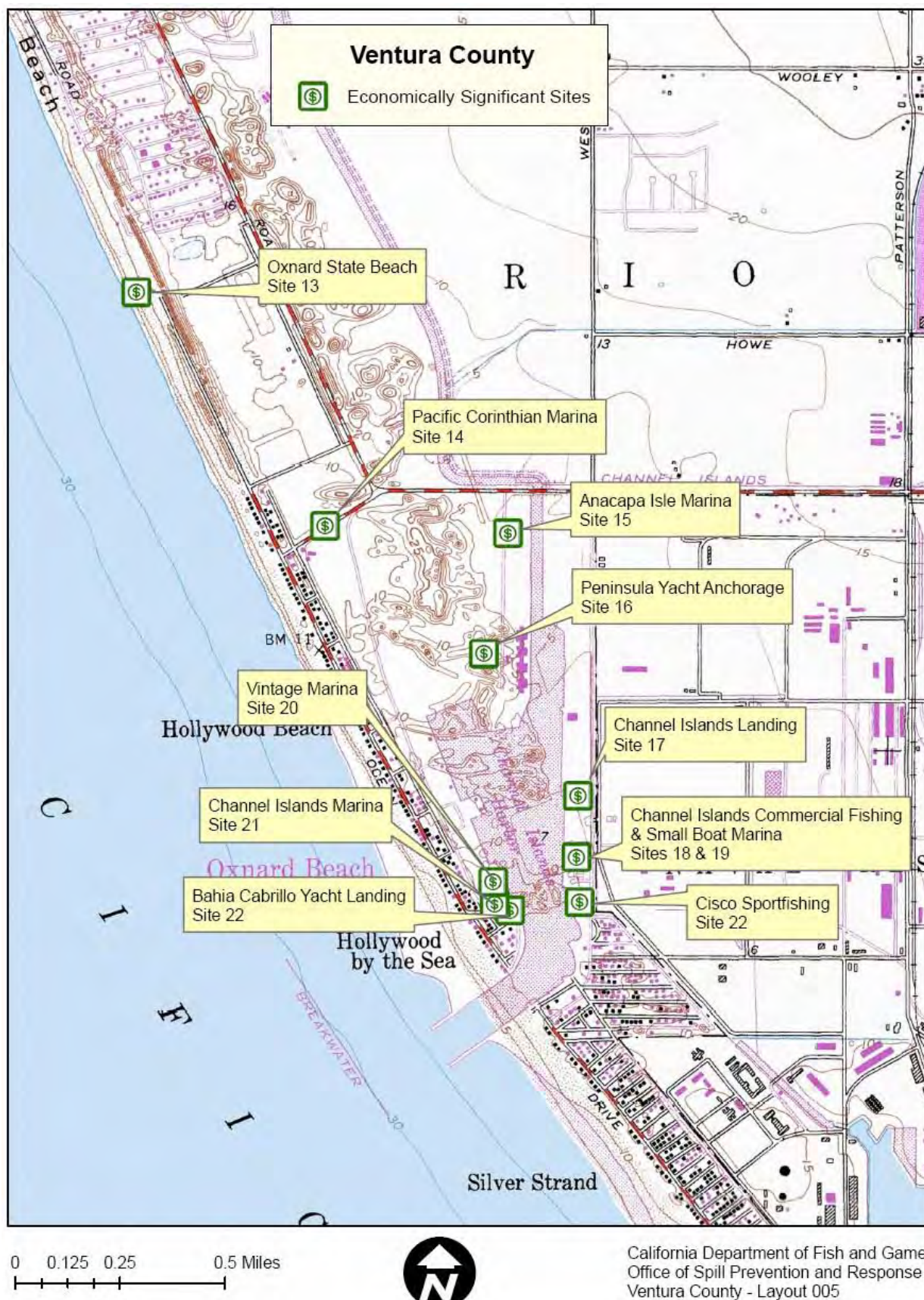


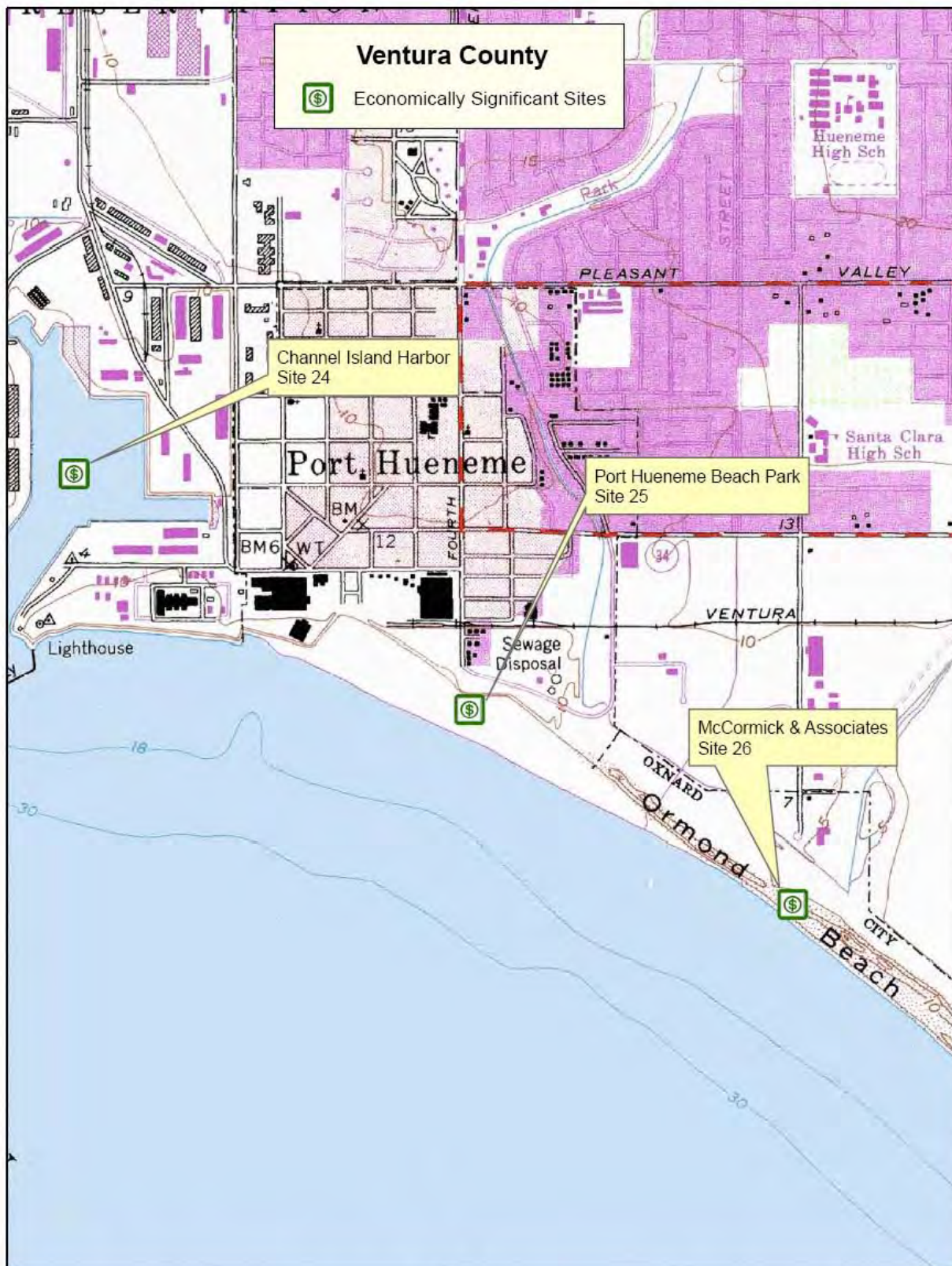
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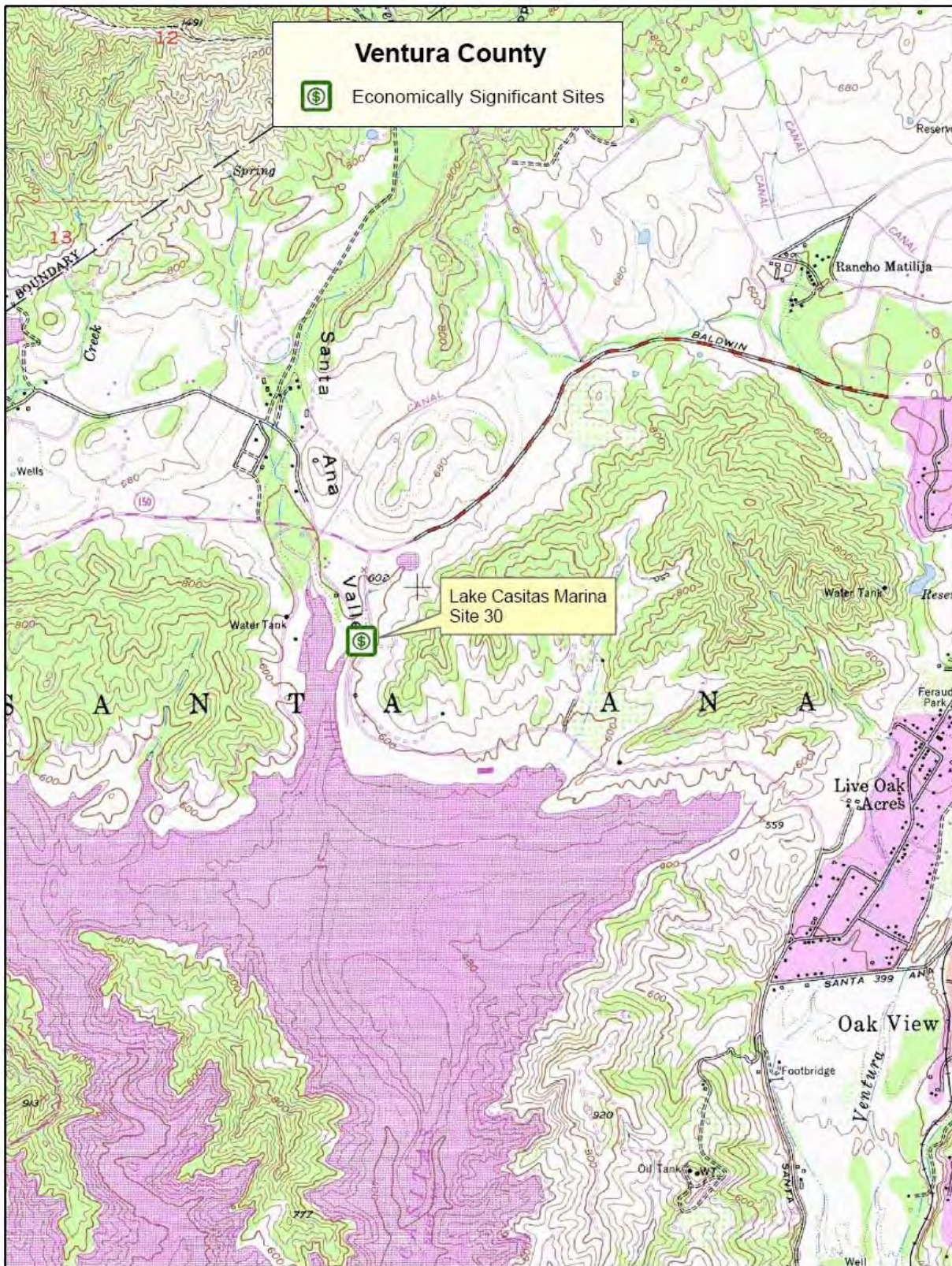


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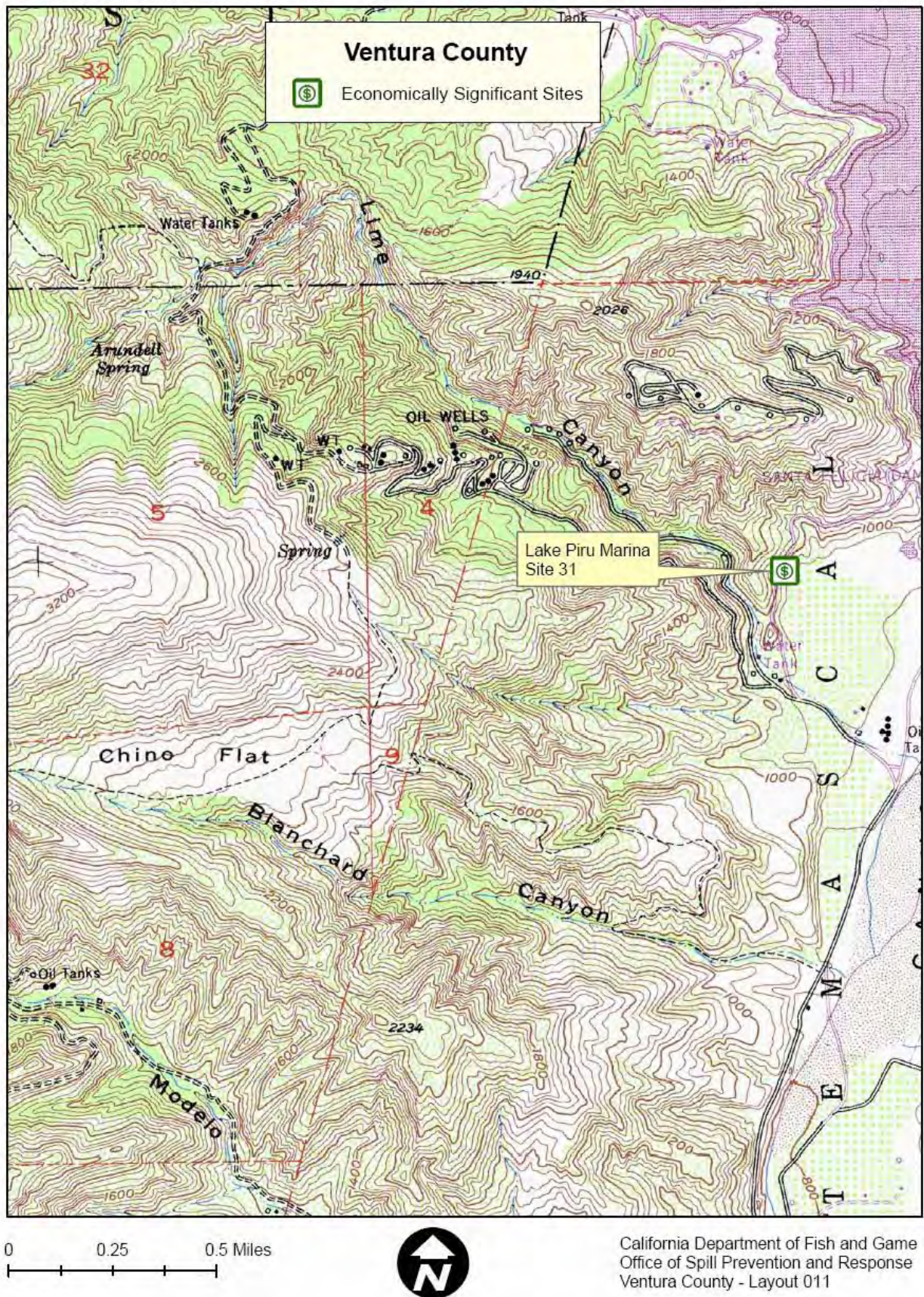




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